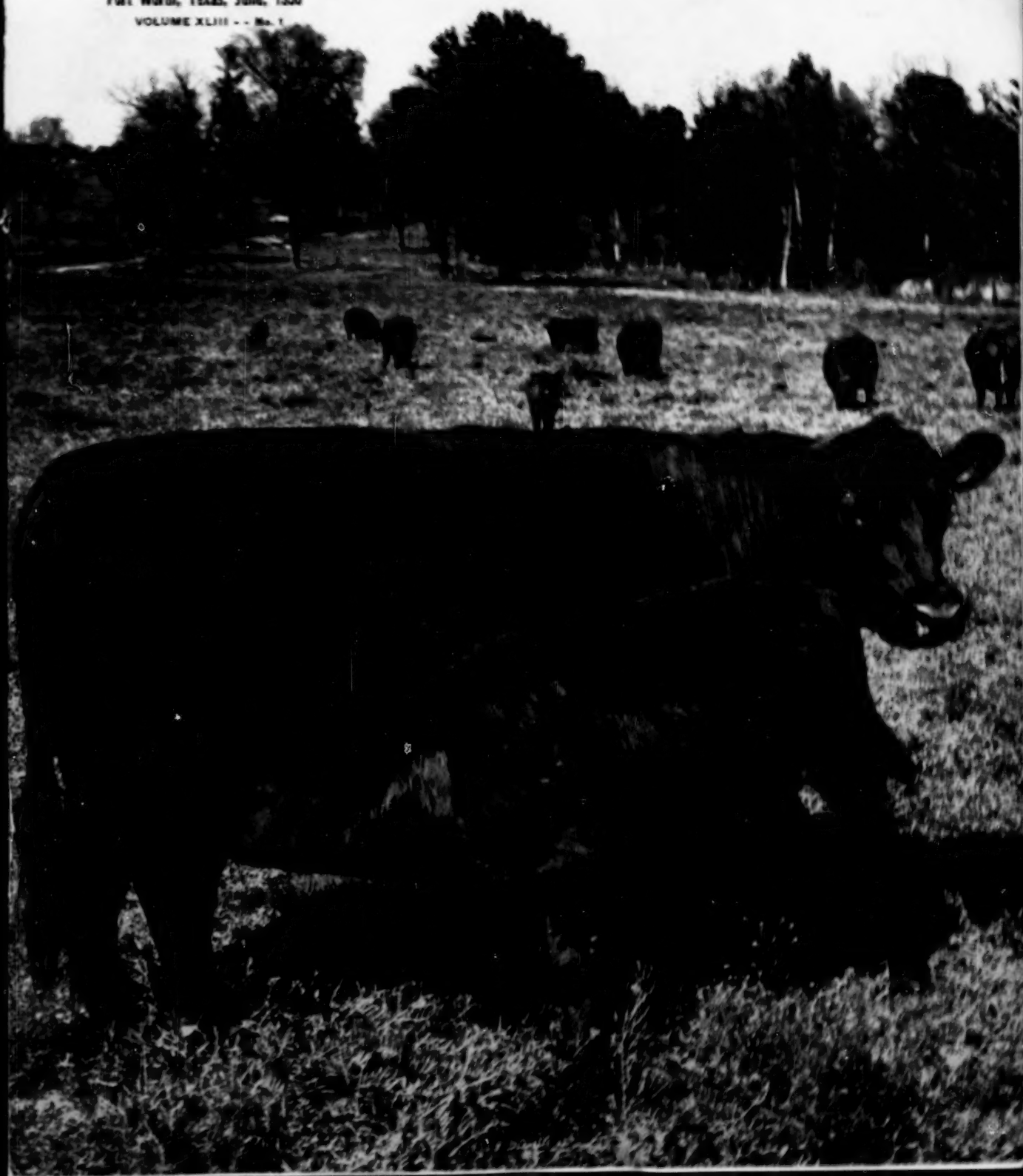


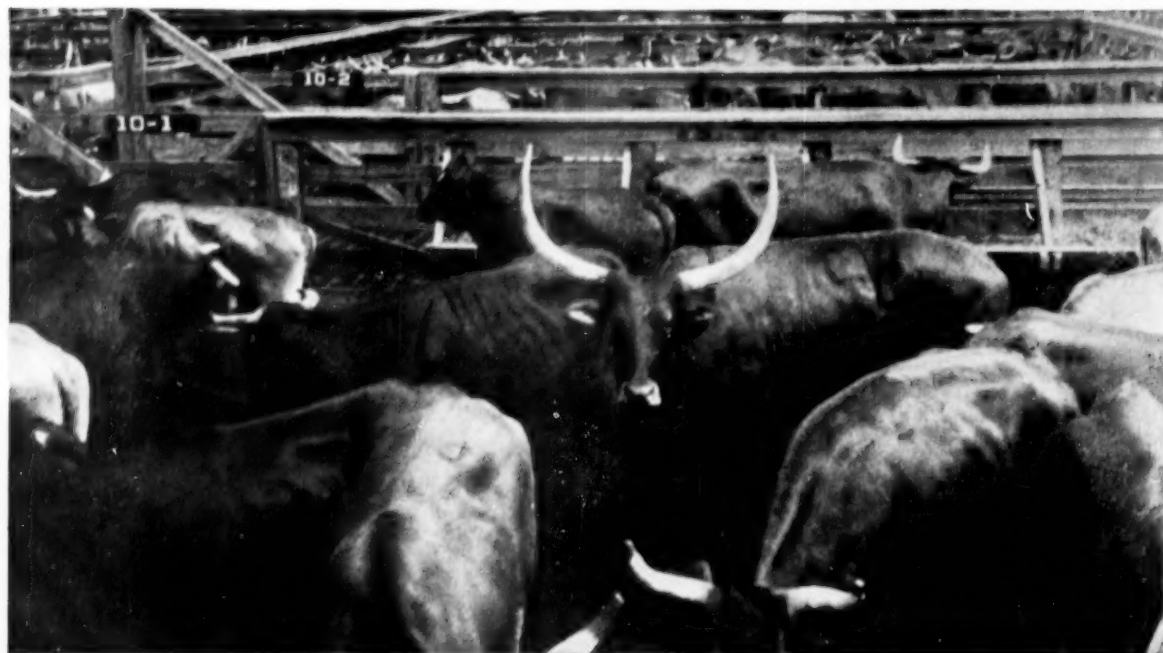
The Cattleman

Fort Worth, Texas, June, 1956

VOLUME XLIII - - No. 1



All Classes of Livestock Sell Well at Fort Worth



Supply and demand determine the value of livestock on the Fort Worth market and shippers can rest assured that their interests will be safeguarded in any transaction. The Fort Worth market with its up-to-date facilities and wide representation of buyers, offers shippers a ready market for all kinds of livestock. Packers and local butchers are on hand to purchase stock suitable for slaughter and the commission houses, order buyers and traders have ready outlets for stockers and feeders and other classes from the plainer kinds to top quality stock.

**TRY FORT WORTH THE NEXT TIME
BE ON HAND FOR THE HEREFORD STOCKER-FEEDER SALE AT
FORT WORTH STOCK YARDS JUNE 22**

KEEP POSTED *Tune in for daily broadcasts: Special Market News and Information, WBAP, "570" 7:30 a. m., 12:15 p. m. WBAP, "820" 6:15 a. m., 9:35 a. m. and 1:50 p. m.*

Fort Worth Stockyards

**A division of United Stockyards Corporation
FORT WORTH, TEXAS**

Summertime Safeguards!

How to Eliminate SCREW WORMS!

Apply to wounds the type of Franklin Screwworm Killer that best fits your needs.

KILTEK-100

A superior formula of broad usefulness. Kills screwworms and maggots, with fly-repellent and healing action. Wound dressing.

SCREWWORM- EAR TICK BOMB

Shoots a liquid stream into the wound with both immediate and residual killing effect against screwworms—also ear ticks. Doesn't blow away in wind like fog-type bombs.

PREMIUM SCREWWORM CONTROL with Lindane.

Use in castrating, dehorning, docking and on navels of newborn livestock. A fly-repellent protective dressing and a powerful killer of screwworms, with long residual action.



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An authentic guide to
livestock protection.
See Dealer or write.

Go After the Top Prizes This Year with FRANKLIN BREEDERS SUPPLIES

Professional quality products for grooming and showing.

BRUSHES • COMBS • SHAMPOO
COAT DRESSING • TOOLS • HALTERS, ETC.



O. M. FRANKLIN SERUM COMPANY

DENVER KANSAS CITY WICHITA AMARILLO FT. WORTH MARFA EL PASO
MONTGOMERY SALT LAKE CITY LOS ANGELES PORTLAND BILLINGS CALGARY

Effective Treatment of PINKEYE

This most prevalent of cattle diseases responds to either the liquid or powder forms of Franklin protective products for Pinkeye.

FRANKLIN PINKEYE TREATMENT

Provides antibacterial and anti-fungicidal action, with cleansing and soothing effect. Excellent antiseptic for all minor wounds of livestock. Flexible plastic spray bottle.

FRANKLIN PINKEYE POWDER

Dissolves in eye liquids forming a coating that gives full benefit of bacterial inhibiting action of sulfas. 100% active ingredients. Convenient puffer tube.

FRANKLIN

PROTECTIVE PRODUCTS

FLY CONTROL

Don't let flies rob you of profitable weight gains.

HORN FLIES



With this homemade backrubber your cattle rid themselves of flies. Sacks are soaked each 2 or 3 weeks. 10 years successful use.

Franklin Residual Spray

is first choice for Sack Rigs and Automatic Oilers. Especially formulated for this use. Very economical 4 to 1 concentrate.

For spraying use FRANKLIN

LICE-TICK-FLY DIP or SPRAY
Both quick and residual kill.

Dairy Cattle, shake on
HORNFY-LOUSE
DUSTING POWDER

A spoonful on back keeps flies off for weeks.

For HOUSEFLY and STABLEFLY Control:

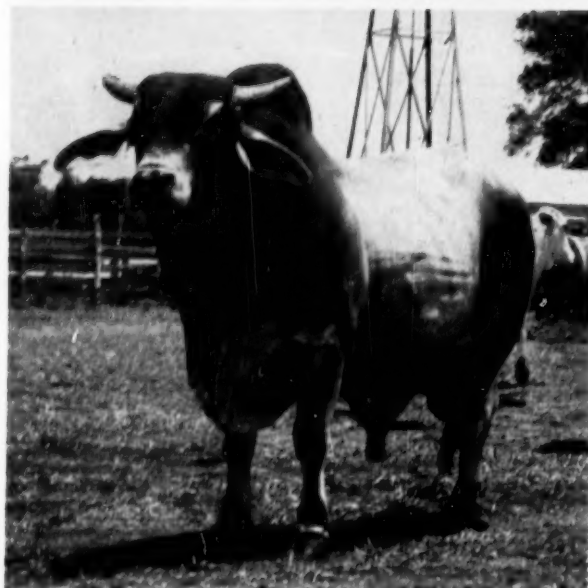
Franklin Diastion FLY KILLER in and around Dairy Barns and Farm Buildings. Bait-type Fly Killer attracts flies then kills them. Just scatter it where flies congregate.

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All ready to pick up and take home, are dozens of Franklin items waiting for you in your home town Franklin Drug Store.



BRAHMAN



JDH Minton de Manso, one of our great show bulls, now retired.

OUR RECORD

In the Winter Shows (January-February-March, 1956)

Fort Worth, Texas
San Antonio, Texas
Houston, Texas

Baton Rouge, La.
Ocala, Fla.

95 CLASSES ENTERED

64 Firsts
24 Seconds
5 Thirds
1 Fourth
1 Fifth

Of the 20 championship awards offered by these five shows, our entries copped 16.

INVESTIGATE THE BEEF PRODUCING POTENTIAL OF BRAHMAN AND THEIR CROSSES.

J. D. HUDGINS
"Beef-Type Brahman"

HUNGERFORD,
TEXAS

WELCH,
OKLAHOMA

The Cattleman

Vol. XLIII

JUNE, 1956

No. 1

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Mill Iron

Still carries on!

THE BLUE PANIC STORY

By *Mill Iron's*
Old Timer No. 8

Quote-Colliers May 25, 1956—Page 34

The fate of the XIT also has befallen—or is befalling—other great cattle empires in Texas. The *Mill Iron*, the Diamond Tail, the Shoebar, the Turkey Track, all once great cow-spreads, are gone.

Mill Iron, in the cattle business for over three quarters of a century, is now developing it's **Blue Panic Program** wherein it's feeding capacity could be far in excess of that on the old range.

Mill Iron now has 4,000 head of cattle on *Mill Iron Ranches* in an important fact-finding project to determine the value of **Blue Panic** to cattle in it's pastures.



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RANCHES

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REGISTERED BRANGUS FOR SALE



TYPICAL OF THE HEIFER OFFERING—THE KIND THAT WILL PLEASE

NOW OFFERING BULL & HEIFER YEARLINGS

- **THE BULLS**—Most of them are yearlings and we will keep them on the ranch until Oct. 1 if desired. By that time they will be ready for service. We also have a number of 2-year-old bulls ready for service now. These bulls will please you.
- **THE HEIFERS**—The kind that will make the best foundation females. Most of them are yearlings and we will keep them and breed them to our top herd sires and guarantee them safe in calf for fall delivery (Oct. 1) if desired. These are cattle good enough to go anywhere.

CLEAR VIEW SIRE FEATURED

Clear View King Tut, our 1955 national champion bull and one of our top herd sires, was recently featured on page 104, May 7 issue, Time Magazine with a 1/2-page color photograph in connection with an article entitled "The Golden Calf." King Tut is typical of the breeding achievements at Clear View Ranch.

**"COME EARLY FOR
THE BEST SELECTION"**

CLEAR VIEW RANCH

RAYMOND POPE, Owner

81
BRANGUS AVE.

VINITA, OKLAHOMA

PHONE
782



Of things that concern cattle raisers

The Cover

From a Photo by Roger B. Letz

FOR this month's cover Photographer Roger B. Letz went to Byars Royal Oaks Angus Ranch near Tyler, Texas.

This issue of The Cattleman is dedicated to the Angus breed and Angus breeders in recognition of the progress that is being made in establishing more and more herds of this excellent breed of cattle on the farms and ranches of the Southwest.

Directors Meet in Dallas June 11

PRESIDENT John Biggs has designated Dallas, Texas, as the meeting place for the second quarterly meeting of the Board of Directors of the Texas and Southwestern Cattle Raisers Association.

The meeting will be held in the Cactus Room at the Adolphus Hotel and is scheduled to open promptly at 9:00 a. m. June 11, 1956. Reports will be made by the various committees on subjects of interest to every cattle producer, and all board members are requested to be present.

Reservations for rooms should be made immediately direct with the Adolphus Hotel and, when writing for your reservation, state that you are attending the board of directors' meeting of the Texas and Southwestern Cattle Raisers Association on June 11. By doing so, your request will receive preference.

Members of the Association are extended a cordial invitation to attend and present any problems requiring action.

Five Convicted For Cattle Thefts

Group Involved in Thefts of 35 Cattle Over Period of Two Months

FIVE MEN, Tommie Windham, Douglas Nix, Hal Windham, Marion E. Gist and Scooter Lumpkin, involved in the theft of 35 head of cattle over a period of two months, entered pleas of guilty before District Judge J. R. Black, in Callahan county, Texas, on April 18, 1956.

Tommie Windham was assessed four years in the penitentiary in each of four cases, the sentence to run concurrently.

Douglas Nix was assessed two years and placed on probation.

Scooter Lumpkin was assessed three years and sentence probated. There is still one charge pending against him.

Hal Windham was assessed five years and placed on probation. Two cases still are pending against him.

Marion E. Gist was assessed two years and was also placed on probation.

The cases were prosecuted by District Attorney Wylie L. Coffey and were investigated and developed by Sheriff Homer Price of Baird, Texas, and Deputies Lee Brown of Baird, Alex Shocklie of Cross Plains, Texas Ranger Jim Riddles, in cooperation with Texas and Southwestern Cattle Raisers Inspectors Herman Porter and Pete Howell. Sheriffs Masters of Brownwood and Fenton of Coleman rendered valuable service in locating and recovering some of the stolen cattle.

Another Birthday

WITH this issue The Cattleman starts its forty-third year of continuous publication. Established in 1914, this publication was dedicated to service to the livestock industry. We hope that during the past forty-two years it has contributed something worthwhile to the advancement of that industry and that it may continue to do so in the years to come.

—The Editor.

Missing Cattle Located

Persistent Efforts of TSCRA Field Inspectors Locate Cattle for Association Members

THE EFFORTS of inspectors of the Texas and Southwestern Cattle Raisers Association to locate missing cattle frequently continues after the owners of the cattle have given them up for lost. One particular case is very interesting and shows that the persistent efforts of the Association inspectors pays off.

In the summer of 1955 a large number of cattle, which had been put on temporary pasture in the Panhandle of Texas, were moved out by truck. Because of the number of trips made, it was impossible for the inspectors to see all of the cattle as they were loaded.

A number of members of the Texas and Southwestern Cattle Raisers Association reported cattle missing from that area. Because many cattle are pastured on wheat, they are held behind temporary fences which do not always prevent the mixing of herds.

**FIGHT
COSTLY
SCREW WORM
MENACE
WITH RELIABLE
GLOBE
PRODUCTS**



GLOBE U. S. FORMULA EQ 335 is the improved screw worm remedy—recommended for the prevention and control of screw worm, fleece worm and Blow Fly infestations. Gives greater protection from re-infestation.

GLOBE U. S. FORMULA 62 is highly effective for killing screw worms and preventing re-infestation. It's economical, easy to apply—the modern way to fight screw worms.



Also available are the older remedies preferred by many stock men—Globe Screw Worm Killer (Red) and Globe Blue Streak Screw Worm Killer, to be used to kill the screw worms present—followed by the application of Globe Fly Repellent and Wound Dressing to prevent re-infestation. After castrations, dehorning, or docking, use Globe Fly Repellent and Wound Dressing until the wounds heal.



**GLOBE
LABORATORIES**
FORT WORTH, TEXAS

Kansas City, Denver, Little Rock, Memphis
Artesia, Calif., Sioux City, Iowa, Calgary, Can.

Therefore, the inspectors felt that the cattle reported missing might have been mixed with the large herd which had been moved, and were overlooked.

This herd had moved to Colorado, so the cooperation of brand inspectors in Colorado was sought to check the brands on these cattle. The Texas and Southwestern Cattle Raisers Association's representative at Denver worked with the Colorado inspectors. Since part of the cattle went direct to a feed yard, they were inspected on arrival there. As a result, six head were returned to their owners.

The remainder of the cattle were wintered in Colorado and only recently were moved into a feed yard. The Colorado inspectors, again working at the request of the Texas and Southwestern Cattle Raisers Association, cut out an additional nine head of Texas cattle and notified this Association of the brand which these cattle carried. This made a total of 15 head of cattle returned to their rightful owners because of the persistent and diligent work of the Texas and Southwestern Cattle Raisers Association, working in cooperation with Colorado authorities. The nine head of cattle most recently found belonged to five different parties, who were contacted, and in every case it was found that these cattle belonged to parties who were running cattle in pastures adjoining the area from which the large herd had been moved. The recovered cattle had been missing for about 10 months. However, the firm which had inadvertently moved the missing cattle reimbursed all the owners.

The Texas and Southwestern Cattle Raisers Association's inspectors who handled this matter were Cap Crawford of Amarillo, now deceased; Maynard Wilson of Amarillo, his successor; and K. K. Hartmann of Denver. Bill Lowry, Martin Tanner and Bill Lange were the Colorado inspectors who cooperated with the Texas men and made recovery possible.

All the owners of the recovered cattle were very appreciative of the work of the Association in this matter. The following letter from Mrs. Clinton Wilson of Dumas, Texas, is typical of their expressions. She writes as follows: "We have been compensated for the two head of cattle that were recovered from the feed lots in Colorado. Thank you very much for recovering these cattle for us."

Stray Heifer Recovered

Another incident in which the Texas and Southwestern Cattle Raisers Association was able to assist in recovery of cattle for the owner is described in a letter from R. E. Koehler of Dalhart, Texas. One of his heifers had strayed to a neighboring ranch from a wheat pasture near Channing, Texas, and was moved with the ranch cattle to another county before her presence was discovered by the ranch owner. They were unable to locate the owner of the heifer in their community, therefore, sent the heifer to the Amarillo

(Continued on Page 14)



How to raise "The Golden Calf"

On May 7, in an article entitled "The Golden Calf", TIME magazine pointed out that even though the American people are eating 50% more beef than five years ago, low prices have many cattlemen in trouble. What should be done about it? One answer: **lower production costs.**

Make every animal in the herd stand on its own feet. Don't give free board to weak sisters and poor producers. That's the way BEEFMASTERS are handled. Standards are set high deliberately. Then, every animal that fails to measure up is ruthlessly culled. It's simple and it works. It's our way of going after "The Golden Calf".

Bulls Available

A limited number of BEEFMASTER bulls of serviceable age for sale in June at both Matheson and Falfurrias. Please call collect for an appointment to see them.

Lasater **BEEFMASTER**

"More Beef for Less Money since 1908"

Ranches: MATHESON, COLORADO / FALFURRIAS, TEXAS **Mailing address:** THE LASATER RANCH, FALFURRIAS, TEXAS



REG. U.S. PAT. OFF.
FOREIGN PAT. PEND.

The Cattleman's

WASHINGTON ROUNDUP

By THE CATTLEMAN'S Special Washington Correspondent.

New Farm Bill—Just before press time the House-Senate Conference Committee reached tentative agreement on a compromise farm bill. In order to assist livestock feeders and poultrymen, the Committee decided that price supports on oats, barley, rye and grain sorghums should be set at 76 per cent of parity rather than the 81.5 per cent which had been recommended by the House. This action is expected to save livestock feeders and poultry farmers several hundred million dollars annually.

When the bill goes to the President it is expected that it will provide for a soil bank program which would go into effect for 1956 crops.

Animal Disease Laboratory—The Senate Appropriations Committee has eliminated a House-approved provision which authorized \$10,000,000 to construct and equip a new animal disease laboratory at Beltsville, Maryland.

The Senate Committee said the Maryland site is unsatisfactory and that the Department should consult with the Senate in selecting an appropriate location for the laboratory before funds are granted.

Appropriation Bill—The \$2 billion appropriation bill for the Agricultural Department for the fiscal year starting July 1, provides \$783 million for regular activities of the Department and \$1.2 billion for price support operations.

Over \$82 million was authorized for the research activities. This included \$3.5 million in additional funds to finish building and equipping the Foot and Mouth Disease Laboratory at Plum Island, New York.

Cattle Grubs—It has been demonstrated experimentally for the first time that the common cattle grub can be prevented from developing within cattle. This feat, long a goal of agricultural science, was accomplished by feeding an organic phosphate chemical to grub-infested animals. It moves through the bodies of cattle to destroy grubs wherever they may occur in an animal's flesh.

These first highly promising experimental results are considered a milestone in research progress toward development of a systematic grub-control chemical that can be used by livestockmen.

Armed Forces to Buy U. S. Meat—Congress has again approved a provision to require the Defense Department to purchase its meat supplies in the United States.

This provision, first inserted in the Appropriations Bill in 1948, has been continued each year since that time.



Bluestem Zero 628th, undefeated in class. Undefeated champion bull 1956 Spring show circuit (Fort Worth, San Antonio, Houston and Ocala, Florida).

TRIBUTE TO A

CHAMPION

We of Clear Creek Ranches are happy to announce that the first offspring of Bluestem Zero 628th has arrived. This offspring's mother was the Reserve Champion Female of the National Brangus Show at Ocala, Florida. We think that breeding Champion to Champion results in better cattle for our customers. Other calves sired by this Champion will be offered for sale. Here is your chance to get the best.



You'll Always Be Welcome at Both
Ranches

Clear Creek Ranches



Frank Buttram

Charter Member, American Brangus Breeders Association

Dorsey Buttram

RANCHES AT WELCH, OKLAHOMA, AND GRENADA, MISSISSIPPI



Yes, **MORE POWER** when you feed **WINTER GARDEN Livestock P V Mineral**



TRY THIS

Place **WINTER GARDEN LIVESTOCK P V MINERAL** and any other mineral you have been using before your livestock free choice. Watch your livestock and SEE which mineral **THEY** choose . . . keeping in mind the well-known fact that livestock have the uncanny ability to choose a well-balanced diet—if it is available. Remember, too, Winter Garden Mineral has no artificial flavoring added to induce livestock to eat it.

Winter Garden Livestock P V Mineral has basic ingredients that assist ruminants to extract the most possible nutrition from your green grass. At an amazingly low cost, you can feed this **FREE CHOICE, RUMEN-ACTIVATING** mineral to your cattle, sheep and goats with utmost confidence in its safety and in its results. You save labor . . . eliminating daily feeding, and you give each animal a fair chance to get its share of proteins, vitamins and minerals. Winter Garden Livestock P V Mineral is the result of experiments conducted on actual range cattle on a profit and loss basis. These experiments proved conclusively that the combination of amino acids, vitamins and minerals gives results far above and beyond a straight mineral.

Why then, should you feed a straight mineral when you can feed this rumen-activating mineral at such low cost? Feed Winter Garden Livestock P V Mineral—a ranch-tested, scientifically formulated mineral that helps ruminants get all the nutrition into the blood stream . . . not out through the rectum. Only in the blood stream can these nutrients do their work in helping build healthier bodies — produce larger calf or lamb crops, more meat, more wool or more milk. Put more power in your green grass!! Start today—with this tried and proven, low cost, rumen-activating mineral working in your herds or flocks. They'll show you there's a difference—a big difference in profits for you.

★ **ASK YOUR FAVORITE DEALER FOR WINTER GARDEN LIVESTOCK MINERAL. IF HE DOESN'T HAVE IT ON HAND, ASK HIM TO STOCK IT . . . OR WRITE DIRECT.**



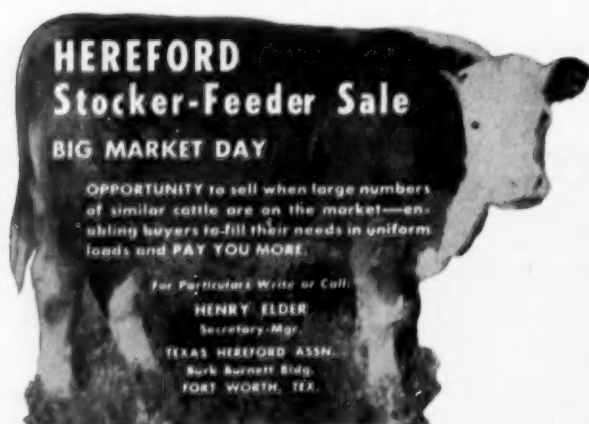
WANTED!

10,000 Head

Stocker & Feeder

Cattle & Calves

June 22 at Fort Worth



BUYING POWER

There were enough Big Buyers on hand for the May 11th Hereford Stocker-Feeder Sale to have bought a good many thousand more cattle. Over two thousand head of one brand were sold to one buyer. Buyers wanted more cattle. Sellers were pleased.

JUNE 22nd IS NEXT DATE

Enter your cattle with your commission firm **EARLY** (10 days if possible) so prospective buyers can be informed. Buyers will be on hand if they know the volume of cattle will be there. It is to your interest to enter your cattle early.

Sale at Fort Worth Stockyards

CONTACT YOUR COMMISSION COMPANY

The restriction on military expenditures for foreign meat was first introduced by Senator McCarran of Nevada. Although the Senator is deceased now, the amendment is still known today as the McCarran amendment.

Beef Candy Bars—What research departments of the big meat packers said couldn't be done—mixing beef and sugar—has been achieved by Ed Coles, Secretary of the Oregon Cattlemen's Association, Prineville, Oregon.

The result is a still-unnamed beef candy, a sweet-meat or a meat sweet, which is expected to be manufactured commercially as candy bars by August of this year. Candymaker Ed Couch of Bend, Oregon, has been given the contract to produce a candy bar according to Mr. Coles' formula. Whether it will retail for 5 to 10 cents has not been determined.

Future candy batches in the Coles' kitchen combined ground dried beef with coconut, further dehydrating the mixture and toasting it. The present formula, which has been found to be marketable without refrigeration, calls for 25 per cent dried beef by weight. The coconut-beef mixture can be used with a marshmallow base or with chocolate fudge or penuche as a base, Mr. Coles said.

Golden Anniversary—The Nation's livestock and meat industry this summer and fall is joining with the U. S. Department of Agriculture in commemorating the Golden Anniversary of the Federal Meat Inspection Service. The Act providing for Federal inspection of meats produced in the packing plants of this country for marketing interstate or in foreign commerce, was passed by Congress on June 30, 1906.

This inspection service has for fifty years set the standard for giving American homemakers assurance that the meat supply in this country is clean and wholesome and produced from healthy animals. Today 80 per cent of all meats produced in this country carry the purple stamp of Government approval. The remainder of the meats sold commercially are produced under state or local inspection.

Federal inspection now covers 1,154 establishments involving about 100,000,000 animals per year. The cost of Federal inspection is a small fraction of a cent per pound, and is less than 15 cents per animal. Congress appropriates \$15,000,000 a year to pay for this inspection.

Livestock Promotion Board—Livestock representatives concerned with beef, pork and lamb promotion met in Des Moines, April 26, 1956, to establish a uniform mark-off system by species of livestock to defray the costs of promoting the sale of beef, pork and lamb.

Separate promotion programs will be conducted by the National Beef Council, National Swine Council, and the American Sheep Producers Council. They,

MoorMan's ***Range Mineral*** ***for Cattle***

are top hand . . . contain *all* the minerals cattle on range are known to need.

—to help get a better calf crop . . . to help keep mother cows thriftier . . . to help calves develop faster. Granular—in bags . . . or 50-lb. blocks.

Ask your MoorMan Man about contract prices on large quantities.
Moorman Mfg. Co., Dept. B-66,
Quincy, Illinois.

*Trademark Reg. U.S. Pat. Off.

ET 50 LBS

MoorMan's

RANGE MINERALS
(FOR CATTLE)

MOORMAN
MFG. CO.
QUINCY, ILL.

GRANULAR
FORM

✓ REDUCES WASTE
✓ IMPROVES CONSUMPTION
EASY TO FEED

MoorMan's

together with representatives of existing livestock producer and farm organizations, will comprise the membership of the new board, known as the National Livestock Promotion Board. Its primary function will be to take coordinated action to remove existing legal obstacles to a mark-off system for funds.

Meat Production—Red meat production in 1955 reached a new all-time peak at 26.9 billion pounds,

according to the USDA Crop Reporting Board. Total meat production for the year was 7 per cent more than the previous record of 25.2 billion pounds in 1954.

Beef production in 1955 reached a new record of 13.6 billion pounds, exceeding the previous record of a year ago by 5 per cent. Veal production totaled 1.6 billion pounds, 4 per cent less than a year earlier. Mutton and lamb totaled 8 billion pounds, 3 per cent greater than a

year earlier. Pork production totaled 11.0 billion pounds which was 11 per cent more than in 1954.

Beef accounted for 50 per cent of the total meat produced in 1955, while pork made up 41 per cent. Veal accounted for 6 per cent and mutton and lamb contributed 3 per cent. Lard production in 1955 totaled 2.7 billion pounds, compared with 2.3 billion pounds in 1954.

Fresh Beef—The use of antibiotics to keep red meats fresh longer will soon be in common use, according to the American Cyanamid Company. Antibiotics maintain food freshness by retarding growth of bacteria and related organisms which cause food spoilage.

The company reported an experiment in San Juan, Puerto Rico, in which an antibiotic solution was infused into some beef carcasses, which were then hung alongside other beef carcasses at room temperature. After 72 hours, the untreated beef was "spoiled and gave off an odor," while the treated beef was "as fresh in appearance and odor as when slaughtered."

Hazardous Job—The President's Conference on Occupational Safety in May brought out some rather startling facts. The report pointed out that "more farm workers are killed by accident than in any other occupation—3,700 last year. Another 310,000 farm workers suffered disabling injuries."

The death rate from farm accidents per person is exceeded only by the mining and construction industries. The economic loss runs into the millions. These facts are evidence that the present program for safety in agriculture is not adequate.

Farm Workers—Four per cent fewer workers were employed on farms during April than for the same period last year. The total number of persons at work included 6,228,000 farm operators and unpaid members of their families and 1,526,000 hired workers. The decrease in total workers from a year earlier was partly a continuation of the longtime trend.



THIRTEEN REASONS WHY YOU SHOULD BUY BRANGUS CATTLE

1. They have no horns.
2. They have great resistance to cancer eye and pink eye.
3. They are extremely hardy.
4. They make fast gains on poor grades of food.
5. They are solid black in color.
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7. They are not bothered by flies, ticks and lice.
8. They have a high dressing percentage for meat.
9. Mothers give good milk and calves make rapid growth.
10. They grow larger than most breeds.
11. They are easy to handle.
12. Our Brangus are good breeders because they are from the most popular blood lines today: MANSO
13. The Brangus Association is the fastest growing Association of cattle breeders in the world today—BAR NONE!

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Take Highway 71 to Lanetree Crossroad,
Then 1 Mile East

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Brangus

Cattle

FROM HULL-DOBBS RANCH TO TWO TOP HERDS

**1/2
INTEREST
IN**



HH REAL DOMINO 203rd

We are pleased to announce the purchase of a one-half interest in this outstanding sire by Straus Medina Hereford Ranch. The calves by him at our ranch have won praise from top cattlemen and we have great confidence that he will do an outstanding job in the Straus herd. We appreciate the confidence shown by such outstanding breeders as these and it makes us feel we are breeding the right kind.

HH Real Onward 71st 4412396	Real Onward 2589615	Real Prince 1st 2341903	Real P. Domino 24th
		Miss Munsen 7th 2284136	Vinta Onward
	Real June Adv. 2d 3582642	Real Prince D. 121st 2705471	Onward Domino 64th
Calved January 15, 1950		June Advance 2459800	Miss Munsen 4th
	HH Real Onward 14th 3122331	Real Onward 2589615	Real Pr. Dom. 33d
HH Realona 82d 4492883		Prince Dom. E. 114th 2594856	Evelyn Domino 3d
	HH Princess 6th 3306081	Prince Dom. C. 122d 2722055	Advance Domino 53d
		Poppy Diamond 2703123	June 3d
			Real Prince 1st
			Miss Munsen 7th
			The Prince Dom. 30th
			Clara Domino
			Prince Domino Ret.
			Princess Domino 60th
			Beau Gwen 50th
			Poppy Diamond 3d



**TO STRAUS MEDINA HEREFORD RANCH
SAN ANTONIO, TEXAS**



DOBBS REAL ONWARD 475th

HH Real Onward 203d 6178912	HH Real Onward 71st 4412396	Real Onward 2589615	Real Prince 1st
		Real June Adv. 2d 3582642	Miss Munsen 7th
	HH Realona 82d 4492883	HH Real Onward 14th 3122331	Real Prince D. 121st
Calved October 18, 1954		HH Princess 6th 3306081	June Advance
			Real Onward
Dees Princess 22d 6127609	Bear Creek Pr. 69th 4444222	Prince Domino E. 114th	Prince Dom. C. 122d
		Poppy Diamond	
	Dees Princess 6th 5230689	Real Domino 51st	
		Miss S. Domino 44th	
		Husker Mischief 265th	
		Miss Mischief 119th	
		Bear Creek Prince 3041634	
		Cresson Maid 95th 3750630	
		Bear Creek Pr. 52d 4344000	
		Silver Dare B 3794544	
			Bear Creek Prince
			Jennette
			Don Mixer 10th
			Silver Dare 3d

Our sincere thanks to Turner Ranch for their purchase of a one-half interest in this top son of HH Real Onward 203d to use in their herd. His pedigree represents the combination of breeding in many of our cows and these bulls along with TR Royal Zato 27th whose calves are truly outstanding, give us a breeding program that is getting results. We cordially invite you to drop by and see us, any time.



**TO TURNER RANCH
SULPHUR, OKLA.**

Other recent buyers of sons and grandsons of HH Real Onward 203d . . . our sincere thanks to all these breeders: F. Jake Hess, McLean, Texas; Clyde Magee, McLean, Texas; Raymond Maddox, Pampa, Texas; Wayne Maddox, Miami, Texas; V. Z. Cornelius, Goldthwaite, Texas; T. E. Mercer, TRJ Ranch, Fort Worth, Texas; W. T. Bonner, Gainesville, Texas; T. E. Smith, Marfa, Texas; Mrs. R. K. Merrell, Fort Davis, Texas; Raymond Swartz, Fort Davis, Texas; R. M. Christian, Vineyard, Texas; John and Steve Murrin, Fort Worth, Texas; Edgar Davis, Abilene, Texas; Meyers Barker, Henrietta, Texas; M. C. Peters, Bryan, Texas; Wilbanks & Davis, Abilene Texas, and L. D. & J. W. Crusoe, Cheboygan, Mich.

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Phone NEWARK, TEXAS, 9-6001

GEORGE CAMPBELL, Manager



SANTA GERTRUDIS STEER

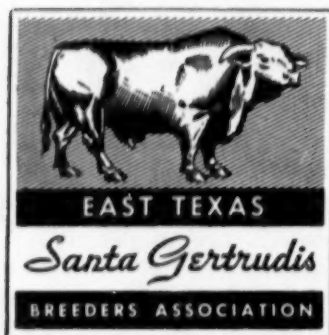
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FIND
IT!**
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QUALITY BEEF is not exclusive to any particular breed of cattle — it's where you find it!

SANTA GERTRUDIS cattle have proved that they produce a **QUALITY** of beef fully comparable to the best on the market.

SANTA GERTRUDIS, yielding a higher percentage of well marbled choice cuts, represent today's best "buy" for the butcher, the feeder, and commercial cattlemen interested in stocker cattle.



**EAST TEXAS SANTA
GERTRUDIS BREEDERS
CAN SUPPLY YOUR
NEEDS IN TOP
QUALITY CATTLE**

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Republic National Bank Bldg.
Dallas, Texas

**East Texas Santa Gertrudis
Breeders Assn.**

Chartered as an affiliate of the Santa Gertrudis
Breeders International.

(Continued from Page 6)

market with instructions to turn the proceeds over to the Texas and Southwestern Cattle Raisers Association, to be held for the proper owner.

Through the efforts of Maynard Wilson, field inspector for the Texas and Southwestern Cattle Raisers Association at Amarillo, and by referring to the file of recorded brands which the Association maintains, the movements of cattle were traced back to the spring of 1955 and the heifer was traced to an adjoining pasture, where Koehler's cattle were pastured. Then the proceeds from the sale of the heifer were turned over to the proper owner.

Two Years For Butchering Sheep

**Judge Assesses Sentence In Thefts
From Tucker White**

BASELIO BUSTAMANTA was assessed two years in the state penitentiary by District Judge C. E. Patterson, Presidio county, for butchering sheep belonging to Tucker White.

The case was prosecuted by District Attorney Lucius D. Bunton and the evidence was developed by Presidio county Sheriff Ernest W. Barnett, Deputy Sheriff Tommy McCall and Texas and Southwestern Cattle Raisers Association Inspector D. T. Flowers.

Save the Soil and Save Texas

**Awards Made to Winners at Eleventh
Annual Program**

ONE OF THE most worthwhile and important projects carried on by a Texas newspaper has had another eventful year. The recognition of the work of individual farmers and ranchers and groups by the Fort Worth Press and the co-sponsors in this worthwhile program is not only serving a useful purpose in focusing attention on the importance of soil conservation but is awarding and recognizing deserving persons and groups for their efforts in the proper care and intelligent use of our soil, forest and wildlife resources.

The Eleventh Fort Worth Press Conservation Award Dinner was held at Fort Worth May 4 under the able direction of Editor Walter R. Humphrey. Assembled for this event were the top award winners and many others who are interested in this project. The following awards were presented:

Best Weekly Newspaper Conservation Special Edition—Beeville Bee-Picayune, Karnes County Soil Conservation District, plaque.

Best Daily Newspaper Conservation Special Edition—Denton Record-Chronicle, Denton-Wise County Soil Conservation District, plaque.

Conspicuous Service by Radio or TV—Johnny Wat-

(Continued on Page 20)

Just scatter lightly as you walk

KILL FLIES



ORTHO Fly Killer Dry Bait



Easy to use. No mixing. No equipment. Bait average-size barn in 5 minutes.

Useful. Controls DDT resistant and non-resistant houseflies around sheds, barns, stables, pens.

Effective. Flies can't devour 1/16" granules, but feed and die. Leave bait to lure other flies.

Flies love it. Dry, granular bait contains special attractives that lure flies.

Free running. Non-caking. Always loose, ready to scatter.

Economical. One pound covers 2,000 sq. ft. of fly feeding areas. Low cost for effective kill!

...Top Protection

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AT YOUR NEAREST
ORTHO DEALER



ORTHO Kleen Stock Spray
combines Lindane and Taxaphene. Effective control of ticks, lice, flies, mosquitoes that reduce animal weight.

ORTHO 1038 Screw Worm Control

Kills screw worms, blowflies and maggots. Cleans wound. Available as aerosol bomb, and 4 oz., pts., qts., gal. sizes.



Where to buy ORTHO Livestock Pest Controls:

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EAGLE LAKE, TEXAS
Universal Supply Co., Inc.

FLUVANNA, TEXAS
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**A SELF-RATIONING PASTURE
SUPPLEMENT PROGRAM FOR YOU
THAT IS PRICED RIGHT...**

**DEVELOPED
ESPECIALLY
FOR NORTH AND WEST TEXAS**



In one bag—All the basic ingredients perfectly balanced to help your livestock extract more nutrition from YOUR available pastures and roughages—**AT LESS COST.**

ALEDO SELF-RATIONING PASTURE SUPPLEMENT...

DEVELOPED. Formulated and Perfected to meet the specific requirements of livestock in this area through research by The Department of Research and Control of VIT-A-WAY, Inc., Fort Worth.

MANUFACTURED by Aledo Feed Mill, Inc., under modern precision methods, to fill the demands of livestock raisers in this area for an easy to feed—economical supplement for year 'round Free-Choice feeding with pastures and roughages.

TESTED AND PROVEN by customers of Aledo Feed Mill under specific area conditions and numerous tests.

**SAVES LABOR... CUTS COSTS... INCREASING OFFSPRING
... INSURES MORE PROFIT-POUNDS PER ACRE GRAZED**

No additional supplements are necessary with this program because Aledo Self-Rationing Pasture Supplements contain an abundance of highest quality proteins and are fortified with the recommended levels of a famous patented FORTIFIER.

**START TODAY... TURNING YOUR PASTURES INTO
MORE PROFIT POUNDS... CHEAPER!**

Aledo Self-Rationing Pasture Supplements are available in five protein levels—12%—14%—15%—20%—36%—offering a specific formula for every

condition of Texas weather, pasture and season, and is all a livestock owner needs in addition to his available grasses and roughages for profitable livestock raising. Each formula available with or without low level phenothiazine.



D. L. MARTIN
Jacksboro, Texas

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CALL OR WRITE TODAY... BETTER STILL DROP IN AND GET FULL DETAILS

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Cattle Do Sleep

ONE of our readers, Edgar H. Hudgins, prominent Brahman breeder of Hungerford, Texas, takes exception to the article which appeared on Page 98 of the April issue of The Cattleman. We are passing his letter, giving his experience, on to our readers.—The Editor.

"It isn't often that I can challenge a statement that goes into The Cattleman but boy I have got one now. On page 98 of the April issue of The Cattleman there is a little article entitled 'Cattle and Sheep Can't Sleep.' I wish that I had a dollar for every time that I have eased up on an old cow or bull sound asleep and watched them jump and stumble off with a start after they found out they were caught. This applies to dairy cattle as well as beef cattle of all breeds and ages.

"You can't spend just a little time with cattle and see them sleep but if you are with a herd for 8 or 10 hours and there is no commotion you can bet your bottom dollar that, in addition to lying down and chewing their cud, some will lay their head back toward their flank, while in a sitting position, and take a few minutes of sleep. Mr. Balch had better spend some more time observing cow habits."—Edgar H. Hudgins, Hungerford, Texas.

Texas Beef Council Wins National Award

THE American Public Relations Association, meeting at its annual convention in Washington recently presented a national award in public relations to the Texas Beef Council for its program to increase beef consumption in Texas. Senator Daniel accepted the award in behalf of the cattle-men's group.

The APRA complimented the Council for "seeking to increase beef consumption in Texas and thus stand on their own feet economically, without government aid."

"The achievement was based on research that showed housewives recognized, purchased, and knew how to prepare only the more expensive cuts, causing less beef to be sold, with lower profits to the cattle raisers," the certificate said.

"By providing recipes that made appetizing use of economical cuts which were as good and as nourishing as expensive cuts, emphasizing the slogan 'Texans eat beef every day,' and other activities, the program was skillfully advanced."

A special certificate was awarded to Cain Organization, Inc., Dallas, for its part in the beef promotion program.

Enclosed is a money order for a year's subscription to The Cattleman. I have been reading it a couple of months now and I like it very much and find lots of good information in it. I hope to have it in the mail soon.—C. F. McPherson, 608 Woodland St., Houston.

... from your livestock investment -

MORE DOLLAR RETURN

PER ACRE of GRASS...PER POUND of FEED...PER ANIMAL UNIT

in...

**HIGHER YIELDS of BEEF and MILK
BIGGER CALF-LAMB-PIG CROPS
HEAVIER-HEALTHIER ANIMALS**

... All Cheaper!

WHEN YOU BALANCE YOUR FEEDING PROGRAM WITH ...

EXCLUSIVELY PROCESSED

VIT-A-WAY *For* **Livestock**

THE PATENTED MINERAL-VITAMIN COMPOUND

**THE PROVEN...ECONOMICAL...and SURE WAY TO
ACHIEVE CONSTANT NUTRITIONAL BALANCE...**

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READ WHAT USERS SAY...

"CALF CROP INCREASED FROM 65%
TO 95.6% ... COWS ON VIT-A-WAY."

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"VIT-A-WAY GAVE RESULTS WHERE
MINERAL MIXTURES FAILED."

L.B.
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"25% MORE MILK WITH VIT-A-WAY."

L.D.W., SR.
FORT WORTH, TEXAS

"SHEEP SHEARED 25% MORE WOOL
ON VIT-A-WAY."

E.B.
SHELL CITY, MISSOURI

Only VIT-A-WAY FORTIFIER and Free
Choice VIT-A-WAY SUPPLEMENT give
you the benefits of VIT-A-WAY'S ex-
clusive, patented sealing and coating
process (U. S. Pat. No. 2,611,702). This
unique process helps control the proper
assimilation of the elements after they
have passed into the animal's digestive
system.

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GIVES VIT-A-WAY RESULTS
because IT'S MORE THAN
"JUST A MINERAL MIXTURE"**



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The Cattleman's CORRAL

Edited by HENRY BIEDERMAN

MEAT PRODUCTION—National Live Stock and Meat Board reports that the production of all meats jumped from 21 million, 900 pounds in 1951 to almost 27 billion pounds in 1955 and that outlook for 1956 is 27.7 billion. The increase of 900 million pounds is expected to be divided about equally between beef and pork. Beef consumption in 1956 is expected to be 82 pounds per capita. It was 81 pounds in 1955.

* * *

WHEAT REFERENDUM—Agricultural Secretary Ezra Benson has proclaimed a national marketing quota for the 1957 crop of wheat and set the 1957 wheat acreage allotment at 55 million acres, the minimum specified by law under present conditions of supply. The marketing quota on wheat is subject to approval of growers voting in a referendum which will be held on July 20.

* * *

BEEF BUYING PLAN—Agriculture Secretary Ezra Benson reports that a standby beef buying plan is assured and in readiness. The amount of money allocated to beef, according to reports could range considerably above 100 million dollars, dependent upon the amount voted by Congress for perishable commodity purchase.

* * *

COW SLAUGHTER—Inspected slaughter of cows for January-March this year was 8 per cent below a year before. All of the increase in commercial slaughter of cattle to date has been in steers and heifers, reports USDA Agricultural Marketing Service.

* * *

NEW SLAUGHTER CATTLE GRADES—Commercial grade of slaughter cattle will be divided into two new grades—Standard and Commercial. Comparable to the revised grades for carcass beef, effective June 1,

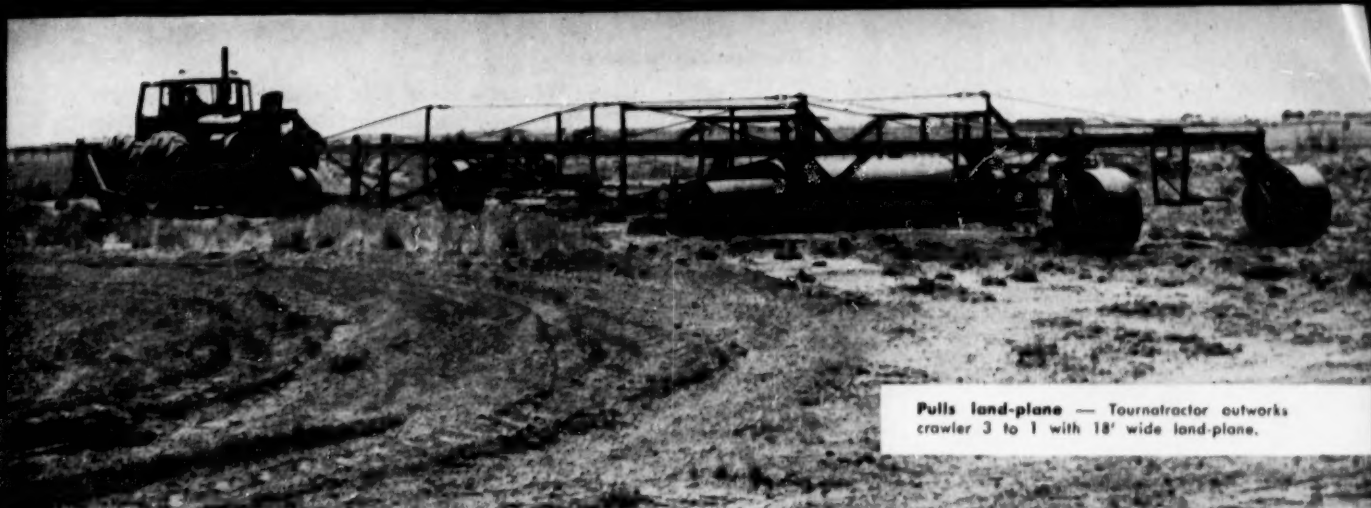
1956, according to USDA. The new grades for slaughter cattle starting June 1 will be Prime Choice, Good, Standard, Commercial, Utility, Cutter and Canner. The division of present Commercial is being made on the basis of maturity and the Standard grade will be applied to younger cattle of the grade. Commercial will be retained for mature cattle falling in the present Commercial grade.

* * *

FEDERAL GAS TAX REFUND—The ranchers' and farmers' gas tax refund act signed by President Eisenhower on April 2, 1956, applies to federal taxes paid on gasoline, diesel fuel and special motor fuels used on a ranch for ranching or farming purposes. Those who think they are eligible for refunds should contact their oil and gas dealers concerning keeping records on such fuels used for ranch purposes.

The refund of federal gasoline taxes applies to the total tax paid by them on January 1 to June 30, 1956, purchases. Ranchers must continue to pay the regular federal tax on gasoline. This tax is two cents per gallon. The first refund payments will be made after June 30 on the gasoline purchased and used during the first six months of 1956. Thereafter refunds will be made on a one-year basis from July 1 to June 30.

To get the gasoline tax refund the rancher will have to file claims after June 30 and before October 1, 1956. The refund claims are to be made on Form 2240 and are to be filed with the U. S. District Director of Internal Revenue in the district in which the rancher resides. This form will be available after June 1 at all Internal Revenue offices and through county agents and many banks and post offices.



Pulls land-plane — Tournatractor outworks crawler 3 to 1 with 18' wide land-plane.

**Improve
your
acres** }

twice-as-fast at half-the-cost

You can double your work capacity with the modern, high-speed, rubber-tired Tournatractor, shown in these pictures. It will handle your land-improvement projects at speeds 2 to 3 times faster than slow-moving crawlers.

This fast-moving heavy-duty 208 hp tractor also has the power you need for your toughest land-leveling, cultivation, land-reclamation projects, even while working in hard, dry-soil conditions.

It can pull gang-plows, land-planes, disc-plows, and harrows. It can move from one assignment to the next via highway or cross-country in minimum time. On volume yardage jobs for re-grading, ditching or dam building, Tournatractor can be used to pull scrapers at low cost.

You can also use Tournatractor's speed and power for greater economy on dozing operations. With its 2½-yd. dozer blade, versatile Tournatractor builds terraces, dams and levees, backfills spoil-banks, digs irrigation ditches, and stockponds. For clearing brush, stumps, and boulders, a root-rake attachment offers additional utility and economy.

It will pay you to take advantage of this modern heavy-duty tractor. Not only will the Tournatractor prove faster and more economical than crawlers, but this rubber-tired rig can travel from job-to-job at work-and-run speeds. That means Tournatractor will make profits for you on your own projects, and earn extra cash on a rental basis.

Ask for complete Tournatractor information. We will be glad to discuss your problems and show you how this versatile tractor can save you time & money.



Draws gang-plows — Rubber-tired tractors pull gang-plows through tough, hard clay.



Pulls disc-plows — Tournatractor draws eleven 31-inch-diameter discs to plow an average depth of 14 to 16".



Clears brush — Tournatractor with root-rake clears and stacks brush and stumps for burning.



Terraces — With 2½-yard down-pressure dozer blade, Tournatractor can build terraces, levees, and stockponds.

Tournatractor—Trademark Reg. U.S. Pat. Off. T-891-G-6



LeTourneau-WESTINGHOUSE Company

Peoria, Illinois

A Subsidiary of Westinghouse Air Brake Company

(Continued from Page 14)

kins, KWTX and KWTX-TV, Waco, McLennan County Soil Conservation District, plaque.

Outstanding GI Conservationist—Robert W. (Dusty) Rhoades, Taylor. Award given by Veterans of Foreign Wars, Department of Texas. Presented by W. H. (Bill) Cole of Abilene. Plaque and \$100 bond.

Conspicuous Service in Wildlife Conservation—Garvis Marsh, Uvalde, secretary-treasurer, Southwest Texas Wildlife Protective Association, Nueces-Frio-Sabinal Soil Conservation District. Plaque.

Forestry Conservation—Carl Owens, Avinger, Marion-Cass Soil Conservation District. Plaque.

Group Leadership in Water Conservation—Guadalupe-Blanco River Authority, Comal-Hayes-Guadalupe Soil Conservation District. Plaque.

Unselfish Service in Water Conservation—J. O. Wallace, Rockwall, Kaufman-Van Zandt Soil Conservation District. Plaque.

Unselfish Service by Non-Farmer—Ben Sanguinet, Pearsall, Frio County Soil Conservation District. Plaque.

Outstanding 4-H Club Member—Melton Lee Frosch, Mabank 4-H Club, Kaufman-Van Zandt Soil Conservation District. Plaque.

Outstanding FFA Group—Maybank Chapter FFA, Kaufman-Van Zandt District. Plaque.

Essay Winner—Mary Ella Logan, Graham, Upper West Fork Soil Conservation District. Vacation trip.

Homemaker of 1956—Mrs. Charles Volder, Sagnaw, Route 1, Dalworth Soil Conservation District. Silver tray.

Comback Farmer—Roy Cotulla, Cotulla, Dos Rios Soil Conservation District. \$500.

Outstanding Farmer—Albert Duesman, Pilot Point, Denton-Wise Soil Conservation District. \$500.

Group—Cottonwood Baptist Church Group, Brazos-Robertson Soil Conservation District. \$500.

District—Big Bend Soil Conservation District, William J. Sohl, Chairman, Alpine, \$1,000.

Co-sponsors of the program were as follows:

Texas Electric Service Co., Fort Worth Clearing House Assn., Humble Oil & Refining Co., Traders Oil Mill, Inc., Western Cotton Oil Co., Wildlife Management Institute, Fort Worth & Denver Railway, Santa Fe Railway System Lines, State National Bank of El Paso, Well Machinery & Supply Co., Lone Star Gas Co., Interstate Theaters, Anderson, Clayton & Co., Fort Worth Lions Club, Soil Conservation Society of America, Missouri-Kansas-Texas Railway, Boswell Dairies, Waples-Platter Co., Knights of the Round Table, The El Paso Herald-Post, East Texas Agricultural Council, Assn. of Texas Soil Conservation District Supervisors, Fort Worth Farm & Ranch Club.



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RED TAG

MINTEIN R

SPECIALLY FORMULATED FOR SUMMER

CONTAINS NOT ONLY PHENOTHIAZINE, BUT THE BEST PROPORTIONS OF MINERALS AND VITAMINS ESSENTIAL TO SUMMER NUTRITION.

Costs Less

Red Tag
Keeps 'Em Clean
Keeps 'Em Healthy
Keeps 'Em Profitable!

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CONTAINS NOT ONLY PHENOTHIAZINE, BUT THE BEST PROPORTIONS OF MINERALS AND VITAMINS ESSENTIAL TO SUMMER NUTRITION.

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P. O. BOX 387 BROWNWOOD, TEXAS • • • DEALER INQUIRIES INVITED

I've been using Lamkin's for years and it's always made me money. There's no better proof that it's wise to mineralize with LAMKIN'S!



TR



**TR
ZATO
HEIR**

Third ranking
living
Register-of-
Merit sire

PLAN TO ATTEND
Hereford Heaven Tour and Sale
JUNE 8th

**.... NOW MORE THAN EVER —
A SYMBOL OF DEPENDABILITY**

NATURAL
Fleshing Quality
HEREFORDS

**TURN TO
TURNERS**



ENTRANCE TO RANCH - 7 MILES EAST AND 1 MILE NORTH OF SULPHUR - STATE HWYS 7 & 18

TURNER RANCH - SULPHUR, OKLAHOMA

Roy J. Turner • Jim McClelland • Tom Harris, Show Cattle

**GET
YOUR
HERD**

a place in the **SUN**

With the Blood of TR Zato Heir
Register of Merit's Distinguished Sire

FACTORS AFFECTING THE LIVESTOCK INDUSTRY

By JOHN W. STEPHENS

NOTE TO THE READERS: The information on this page is assembled and written about the 20th of each month nearly two weeks before you read it. This is necessary in order to meet the publication date. Frequently it is necessary for the author to make estimates of coming events. Sources of information and reasons for statements will be furnished on request. Address your inquiries to The Cattleman.

The statements on this page are solely the opinions and views of Mr. Stephens and in no way reflect the views of the editorial staff of The Cattleman. Mr. Stephens is an investment counsellor and you may address any inquiries to him in care of The Cattleman. If you have any suggestions for information that you think should be on this page send your recommendations to the editor.—The Editor.

FARM PRODUCTS:

Prospective 1956 planted acreage of 9 vegetables for commercial processing is about 8 per cent more than last year. There is no indication of an overall price advance in perishable commodities during the year unless crops get a set back from drought.

PARITY:

The new Farm Bill is not expected to change present parity of 82 before late fall of this year.

COST OF LIVING:

Acute competition among producers of consumer durable goods is expected to lower prices and keep cost of living stable in spite of wage increases later this year.

INDUSTRIAL PRODUCTION:

The slowing down in the supply of credit at the retail level is beginning to have its effect on production at the manufacturing level. Index now at 141 (1947-1949 equals 100) could decline further during the summer months.

SPENDABLE INCOME:

Is running 6 per cent more than for the same period of last year.

FAVORABLE:

1. While spending in the 337 reporting cities in the Federal Reserve System is running 10.2 per cent above the same 3-month period of last year, nevertheless the rate of increase over last year is declining from previous levels.
2. Weekly department store retail sales in selected cities and areas are running 8 per cent above same time last year.
3. In the 9 corn belt states hog producers indicate that their intention is to cut summer farrowings by as much as 8 per cent. This reduction will be reflected in smaller hog slaughter this fall and coming winter than we had last year.
4. Non-agricultural unemployment in some spots get a lot of publicity but it gives no hint of any widespread trouble in the economy.
5. In the big cities live animal prices are 16.5 per cent below same time last year while wholesale prices are down 16.2 per cent and composite retail meat prices are down 15.5 per cent. This percentage decline at all levels is nearer in line than at any time during the past year.

UNFAVORABLE:

1. Condition of pasture feed during the past 30 days averaged 68 per cent of normal which was 11 points below last year. Pasture conditions a month ago were 14 per cent below the average for that date and the lowest condition since the 1934 drought year.
2. Rate of business failures according to Dun & Bradstreet is higher now than at any time since March, 1941 which means we are experiencing tougher business competition.
3. Confidence of investors and business men (as indicated by recent securities market declines) is fading a little as weak spots in the economy begin to slow down business activity.
4. Governmental measures of monetary and fiscal restraint on credit are not as readily accepted as are measures of economic stimulation.

COMMENT:

Keep an eye on the rate of slaughter of cows in the months ahead as the best indicator to the probable trend in the cattle cycle. Up to now the rate of slaughter has not been high enough to slow down the rate of population increase in cattle. Sometimes between June 15th and July 15th look for the Federal Reserve Board to ease up on the supply of money and credit restrictions, because the harvest season requires plenty of money.

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More than 60,000 Armour people are working together to make the best products—to get the most value out of the livestock we buy from you.

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and trucks—to give consumers the meat they want, when they want it.

Others are building up a consumer demand for Armour food and non-food products through strong advertising and promotion. Then there are the specialists who design the attractive packaging that helps make our products more appealing to the consumer.

Among all Armour people you will find a strong desire to give consumers what they want. A good example of this is seen in the new trimming specifications for pork

that we recently adopted. Where the old-type pork loins and butts were allowed a maximum of one-half inch of fat covering, the new specifications call for a maximum of only one-quarter inch of fat. Hams, also, are being more closely trimmed.

Yes, by continuously striving to give consumers what they want, by promoting a demand for better meat products that sell for better prices, Armour keeps everlastingly at the job of building a better market for your livestock.

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American Angus Conference Draws Large Crowd

CATTLEMEN from 29 states, meeting in Knoxville, Tenn., April 30 and May 1, took home a wealth of information to help them in the production of a more profitable beef enterprise.

The Second Annual American Aberdeen-Angus Conference, held on the University of Tennessee campus, helped to meet the cowman's problems in such fields as selection of correct type cattle, carcass improvements, feeding practices, and dwarfism.

The 300 breeders registered attended most of the meetings at the College of Agriculture's Livestock Pavilion. Commanding the attention of the crowd were the results of different nutritional experiments conducted on the university herd. Several classes of bulls and females were judged by participants. Professors Byron Good of Michigan State University, L. E. Kunkle, Ohio State University, and Charles Hobbs, University of Tennessee, were among educators who spoke and gave demonstrations.

An earlier session was devoted to the problems of the family-sized farm breeder, and making the small farm herd profitable. Dean A. E. Darlow of Oklahoma A & M College and Angus Breeder Kenneth Litton, Round Hill, Va., discussed these problems.

On Tuesday, participants heard a talk on arbitration by W. W. Brainard, Jr., Far Hills, N. J.; "Current Developments in Beef Cattle Dwarfism Research," by Dr. Leslie Johnson, Iowa State College; "The Farm Income Tax Report," by Attorney Stephen H. Hart, Denver, Colo., and "The Banker's Obligation to the Cowman," by E. T. Savidge of the American Bankers' Association. Special attention was given local and regional Angus associations, of which there are more than 230 throughout the country. Officers and directors of these associations met separately to iron out problems.

Other topics discussed were "Commercial Angus Production in the Southeast," Professor H. R. Duncan, Tennessee University; "Producing Bulls for the Commercial Cattleman," John Gauger, Clear Lake, S. D., and "The Breeder's Role in Club Work," James V. Coyner, American Angus Association. Lloyd D. Miller, national association public relations director, spoke on "Public Relations and the Future of the Angus Breeder."

The Southeastern, East Tennessee, and Tennessee Angus Associations were hosts to breeders at a buffet dinner held Sunday evening at the university. Featured speaker at the conference banquet, Monday evening, was Dr. Kenneth McFarland of General Motors. Frank Richards, secretary of the national association, was master of ceremonies.

The 1957 National Angus Conference will take place May 5, 6, and 7 at Michigan State University, East Lansing, Mich.

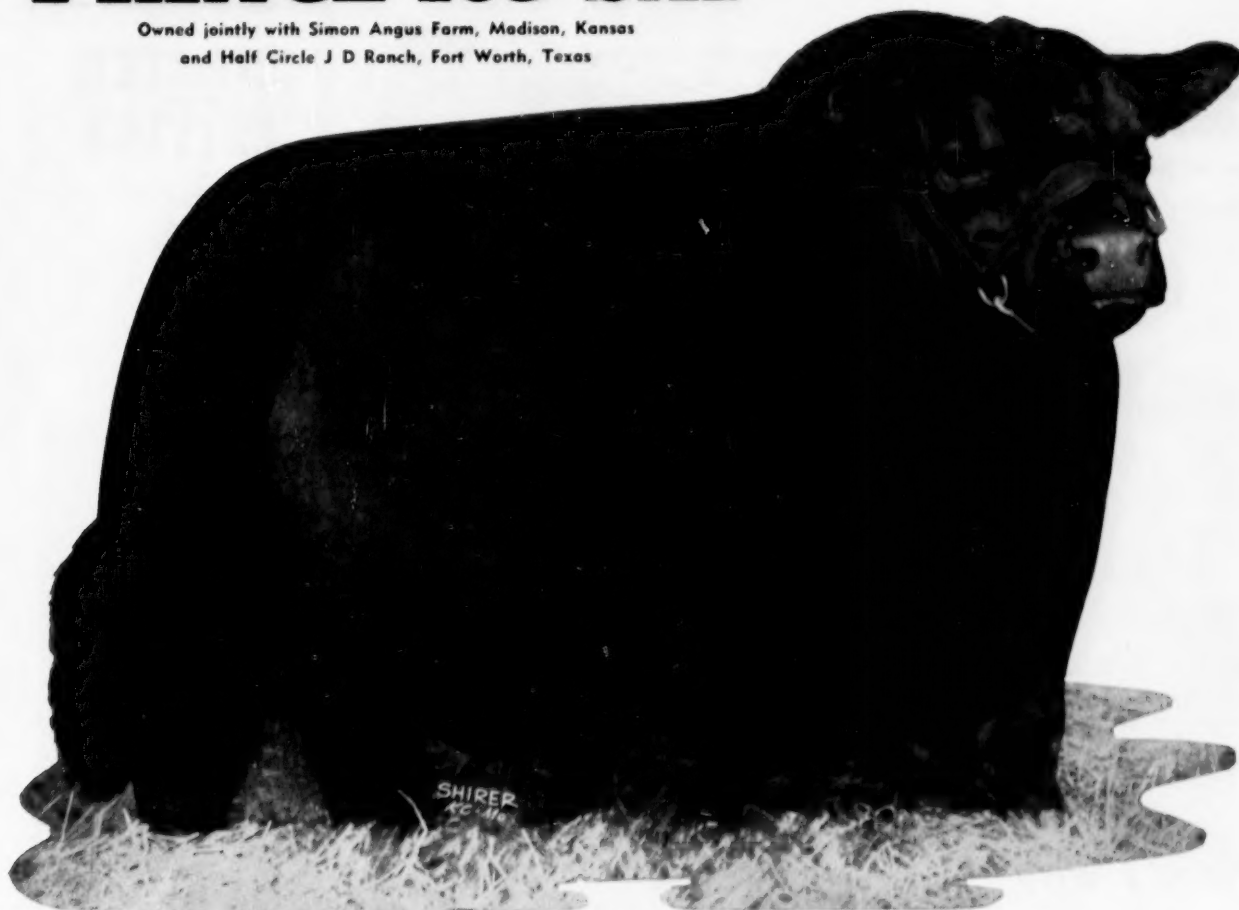


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Salt (maximum)	30.00%
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- The frontispiece is an outstanding reproduction in full color of THE ROUNDUP—painted by one of the West's greatest artists, Charles M. Russell.

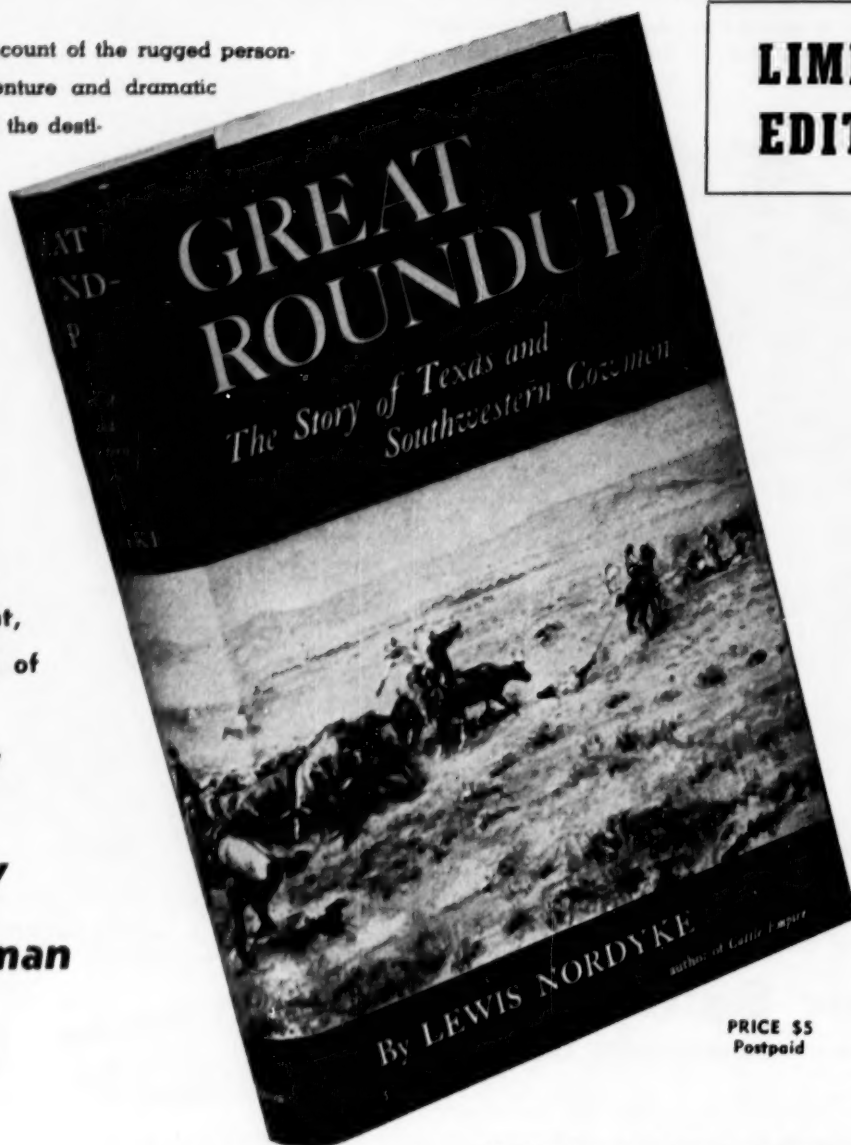
- Included are sixteen pages of maps and photographs of persons, places or things that played an important part in the developing of the American cattle industry.

- Profusely illustrated throughout with refreshing pen and ink sketches by Harold Bugbee—well-known Clarendon, Texas, artist.

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American Aberdeen-Angus Breeders' Association
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A portion of the brood cow herd, with their young calves, at Little Dean. Owner Brigadier E. R. Kewley in the right foreground. Brigadier Kewley is president of the Aberdeen-Angus Cattle Society of Britain.

My Month In Scotland

This Authority on Angus Cattle and Pedigrees Gives Us a First Hand Account of His Visit to the Land Where This Breed Originated. He Tells of His Visits With Noted Angus Breeders and How They Produce and Market Their Cattle.

By K. A. CLARK

THE HOMING instinct does not belong to the birds alone. Nearly every devotee of Angus cattle harbors a desire to some time go to Scotland, especially those of us who find a fascination in the history of the breed and who like to occupy ourselves with the study of its bloodlines and pedigrees. But the distances are great and the times are hurried, so not many of us ever get to do it. In view of this, there may be some sort of obligation resting on those of us who do go to share parts of the interesting experience with our friends, neighbors and fellow breeders. If such is the case, then this represents my effort to discharge it by relating a few of the high points of my travels, which took me to the annual shows and sales and to many of the leading herds in Scotland and England, all of which consumed the better part of a month.



K. A. Clark

Cattle Rugged and Hardy

The days are short in midwinter in Britain. Even after one has checked it on his globe, it is still hard to realize that Great Britain occupies a spot on the globe that roughly corresponds with

Editor's Note: The author, Kenneth A. Clark, lives at Easton, Maryland, where he is cattle buyer for the largest independent meat packer on the Atlantic Seaboard. He is widely known as a shrewd buyer in the country's stockyards and in livestock and meat packing circles. He is a graduate of the University of Nebraska in animal husbandry and of Iowa State College in genetics and animal breeding and is considered an authority on Angus pedigrees and history. He was at one time a member of the University of Maryland faculty. He says he spends his idle moments at his 1,200 acre Craigie Farm, where he maintains the Craigie Angus herd of purebred Angus and feeds out four or five hundred steers and hogs annually.

He has visited Texas frequently and his wife is a native Texan.

the Hudson Bay, latitude-wise. The southernmost tip of England is farther north than the northernmost tip of our Minnesota. Incidentally, there are those who are convinced that the ruggedness of the country and its climate contribute to the strength and stamina of the cattle, and it may be true, for the Angus cattle to be seen in Britain are certainly a strong, sturdy lot, and the same goes, too, for their Shorthorn and Hereford counterparts, both of which are supplied with ruggedness to a strong degree.

There is much snow and sleet, rain and ice to render traveling conditions uncertain, but there are also advantages in the winter season for making such a jaunt, and that is being able to see the cattle quickly and easily as most of them are in the barns, for which the Scotch word is "byre." Many commercial herds winter out in the fields and in the hills, where the going gets pretty rough at times, but most of the pedigreed herds are brought into the courts, as the barnyards are called, where calving starts about December 1st and ends in April. These calving dates are arranged so as to make the bulls check in at an average age of about 12 months, when they are sold in the annual sales.

Generally, the pedigree herds will number from 15 to 25 cows, most of them being hand-bred before they leave the "courts" for summer pastures. Very few herds ever buy a female once their foundation is established, and almost no herds include more than three or four families. The Prides and Ericas are by far the most numerous and by far the most popular. Perhaps as many as 90 per cent of their cattle belong to these two strains. There are many, many herds which absolutely will not use any but a sire from one or the other of these two strains.

One comes across Jilts, Georginas, Matildas, Ruths, Gammers, Witches, Miss

(Continued on Page 52)



This group of Angus steers from the Bob Masterson Ranch, Guthrie, Texas, shown in the Aledo Feed Yards, Aledo, Texas, made a daily gain of 2.43 pounds over a 160-day period and graded prime and high-choice.

Masterson's Angus Carry On

This Old Established Commercial Angus Herd Is Being Steadily Improved by Use of Good Herd Sires and Modern Production Methods.

A GROUP of Angus steers were fed out recently at the Aledo Feed Yards, Aledo, Texas, and sold to Swift and Company, Fort Worth, at a premium price and graded prime and high choice.

This simple statement of facts could be found in nearly any daily livestock market report and considered nothing more than routine. However, this particular group of Black steers not only compiled an outstanding record in the feed lot but they were the produce of one of the original herds of commercial Aberdeen-Angus cattle in Texas.

The steers were raised by R. B. (Bob) Masterson III, on his ranch near Guthrie,

Texas, where he runs a herd of some 500 Angus cows.

Purchased 30 Imported Cows

The history of these 500 cows dates back to the year 1912 when R. B. Masterson, Sr., pioneer West Texas cattleman, purchased 30 head of Angus cows imported from Scotland that had been quarantined in New Orleans. This purchase marked the beginning of a herd of Angus cattle in the state of Texas that was not only one of the first herds in the state, but grew to be the largest herd of commercial Angus cattle in the world by 1925, when Masterson Blacks numbered 12,000 head.

These cattle ranged over 120,000 acres

of the original Masterson ranch and through the use of top registered Angus bulls throughout the years constantly improved in quality.

The 500 cows owned by R. B. Masterson, III are descendants of the original Masterson herd and through practical experiment and modern ranching methods, plus sound breeding, he is carrying on the improvement of his beef herd that was begun over 44 years ago by his grandfather.

Masterson believes that the simple secret of producing top beef cattle lies chiefly in the selection of top bulls. He states that "bull power and selective breeding are the primary factors involved in successful ranching." Through the continuous selection of high quality registered Angus bulls from the top herds throughout the country, Masterson has consistently improved the quality of his herd. He gives this reason for the fact, that through the lean years of drouth and depressed prices, he has continued to operate at a profit.

Masterson is also engaged in a long range pasture improvement program that he anticipates will double the carrying capacity of his ranch within a few years. Through chaining and spraying, he is successfully eradicating cedar and other brush from his ranch and is engaged in a grass re-seeding project, using seed from his own seed bed, where the brush has been cleared.

Unique Irrigation System

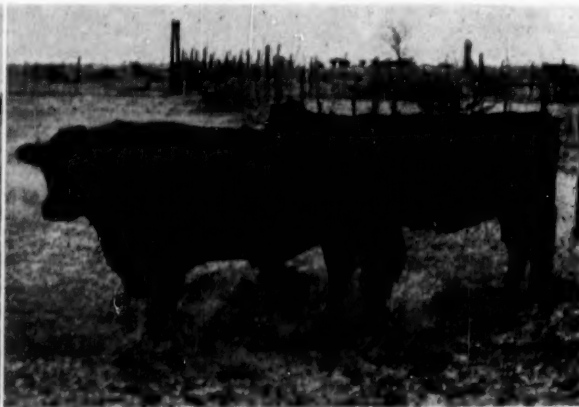
In addition to the pasture improvement, he has built a unique irrigation system along the creeks and natural springs that are on the ranch.

Through the use of his own heavy dirt moving equipment, Masterson has cleared and leveled several acres of land adjoining the creeks where sufficient water is available for irrigation. Feed crops will be produced on the irrigated acreage, enabling him to finish out his own cattle at a more economical level. His ultimate plan calls for his rangeland to carry from 1,000 to 1,200 Angus cows with enough feed produced from

(Continued on Page 66)



Some of the top commercial Aberdeen-Angus cows shown on the Masterson range. Mother cows such as these bred to registered bulls produce the reputation feeder steers that are making excellent records in feed lots throughout the country.



One of the top quality registered Angus bulls now in use on the Masterson ranch. The continuous use of the best bulls available is the primary reason why Masterson cattle consistently top the market.

Essar and 77 Ranch Change Breeding Program

These Two Top Angus Establishments Plan to Produce Performance Tested Bulls For Use By Commercial Cattle Producers



By TOM ADAMS



TWO of the foremost breeders of Aberdeen-Angus cattle in the Southwest, Essar Ranch, San Antonio, Texas, and Seventy-Seven Ranch, Wichita Falls, Texas, have made major changes in their breeding programs during the past year. Both are now placing stronger emphasis on producing the kind of registered Angus bulls that can do the most to help the commercial rancher upgrade his herd and produce top quality calves and then in the future, when the type and results are accepted, these cattle may become, as well, the fountainhead of other registered herds.

Production testing and records of performance made by bulls to be sold are of primary importance in their new program, however, both breeders are quick to assert that while gaining ability is a major factor, quality will in no way be sacrificed.

Both Outstanding Herds

Both Essar and Seventy-Seven have produced some of the nation's outstanding show herds in the Aberdeen-Angus breed; and several of the top breeding bulls in the nation have been produced on their ranches. The famous Essar

Angus herd that won blue ribbons in every major show in the United States, under the direction of Dr. Paul Keezee, was sold recently at private treaty to Senator Robert S. Kerr and Dean S. McGee of Oklahoma and is now under the banner of KerMac Farm.

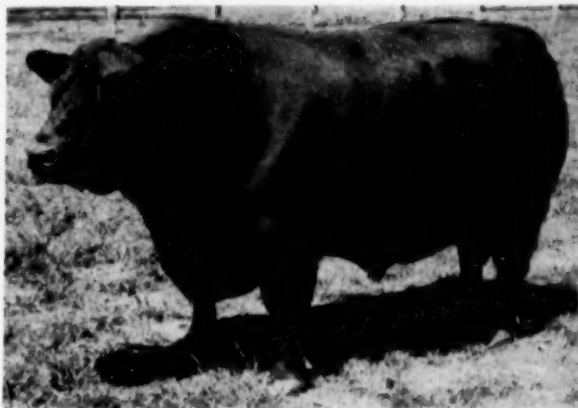
Tom Slick, owner of Essar and head of Southwest Research Foundation, has long been noted for his contributions to scientific research and has now converted the operation of the Essar Ranch unit into a development of hardier, more efficient beef cattle. In doing this, complete records will be kept of performance in the following categories: weight of cows and bulls they are mated to, regularity of breeding or fertility, milking ability, calving weights, weaning weights, rate of gain, and efficiency of gain. In addition to this, all cattle that are slaughtered will undergo a carcass grading for quality as to the amount of waste fat, eye of beef, dressing percentage, the per cent of high priced cuts, and the palatability of the meat. Each cow will be judged on her own merits as to hardiness and disposition and ability to raise a calf. Every phase of her performance will be closely observed and recorded. Only cows that

pass the most rigid tests set up by Essar will be kept in the herd. All the records that are kept will be made available to a prospective buyer of either bulls or females and a complete analysis of each animal will be kept on file as well as its progeny record, if it is retained in the herd. All calves shall be graded at each weighing for conformation, quality, fleshing and maturity. Cows have been carefully selected for the herd with every likelihood of being free of the dwarf genetic factor, and it will be a definite policy of the program to use only bulls which the ranch is confident are dwarf-free. As a result Essar plans to issue a "twice purchase price money-back guarantee" against the possibility of anyone purchasing a dwarf-carrier animal.

Les Ljungdahl in Charge

Les Ljungdahl, general manager of Essar, will be the man charged with the responsibility of carrying out Slick's plan to produce more efficient beef animals. It is a tremendous undertaking and a new herd of Aberdeen-Angus cattle numbering some 365 head at present, and soon to be increased to 500, have been purchased by Ljungdahl to

(Continued on Page 87)



Prince Sunbeam 971st shown in breeding condition at Essar Ranch. He is owned jointly with KerMac farm, Poteau, Okla., and was recently purchased from Ralph L. Smith, Chillicothe, Mo., for \$50,000.



Some of the cows that make up the new Essar herd of Angus cattle. These cows were selected for their natural beefiness and came from one of the top herds in South Dakota.



Seventy-seven ranch cows with their calves are raised under the same rugged conditions as the commercial rancher experiences in the Southwest. Rigid standards of perfection must be met by each cow if she is to remain with the herd.



Some of the fine Angus cattle on the Benton Ranch

Angus Cattle in Mexico

How a Mexican Rancher Built Up Fine Angus Herd by Selection and Grading

By MARY WHATLEY CLARKE

THE late Captain Ian Benton of El Sueco Ranch, Chihuahua, Mexico, and El Paso, Texas, was a clear-thinking, fearless man with the courage to carry out his convictions. What were his convictions? Simply this—that top quality, purebred cattle could be developed within his own herd without the importation of outside blood.

But I'm getting ahead of the story. For a starting point, turn back to Scotland, whose countless sons have started lives anew in the far corners of the world. Here the captain's parents, Mr. and Mrs. William Benton, were born, and in the eighties bade goodbye to the thistle and came to Texas where the bluebonnet grows. They established them-

selves first in Alice. The captain was born in Corpus Christi in 1887.

Ian was educated abroad. After graduating from Woolidge, the West Point of England, he served some time in that country with the army. From 1910 to 1913 he saw foreign service in Hong Kong with the British Army. During World War Number 1 he was in Palestine-Egypt-Italy. His service was so outstanding that he received the Military Cross of England and also an Italian decoration. He rose to the rank of major, but for some reason his many friends always called him "Captain."

He came back to Texas several times to spend his leave and always talked ranching with his dad, who had since

bought a place in Chihuahua, Mexico, and was ranching there. His father died in El Paso in 1916 and in 1920 Ian came home to stay and to look after the property in Mexico.

The Bentons went through the Villa Revolution, the depression, and the Agrarian policy and eventually, like many other ranchmen, lost most of their holdings. Then Ian branched out on his own and leased a ranch in the Santa Clara Mountains. He bought a registered Aberdeen-Angus herd with unusual gaining characteristics from the Boyd family in 1920, as was proven when they took first and second place for feeder cattle in Denver in 1930. The captain knew that his cattle would do even better in a lower altitude and there was a vast valley below the Santa Clara range that he coveted. At one time all of this ranch land had been in the Terrazas name, but under the Agrarian policy it was to be divided and sold by the government. Benton had ridden horseback across this waving sea of



The late Captain Ian Benton of El Sueco Ranch, Chihuahua and El Paso, Texas, established El Sueco Ranch and built up the finest herd of black Angus cattle in Mexico.

grass, and had even taken the liberty to have the grass analyzed. It was found to be strong in the nutrients necessary for good cattle. It was mostly grama grass and grew in this valley like Johnson grass in an old field. Even in a drouth it would take care of a big herd. This valley in his opinion was one of the finest ranching sections on the North American continent.

Hit Rock Bottom in Depression

But the depression was on and the Captain, like many other ranchmen, had



A typical chicken coup on the Benton Ranch, made of Ocotilla brush, remindful of olden days in Mexico.



Senora Herlinda Q. Carrera, teacher at Sueco Ranch. Her pupils are children of workmen on Benton Ranch.



This fine bull and many just like him have built up the Benton herd.

hit rock bottom. Then a friend, and friendship in Mexico as elsewhere is very important, came to see him and asked him if he didn't want that valley ranch. "I want it more than anything in the world," Benton replied, "but I have no money."

"Under the Agrarian law the land is being divided," the friend pointed out, "and this ranch is for sale. I want you to have it."

"But I have no money," the Captain emphasized.

"Come to Chihuahua, and in the morning you will have the money," the friend assured him. The Captain did as he was told and the miracle came to pass. He signed the papers that day, and came home with the property in his name, promising that he would pay it out and some day it would be his own, free of debt. So it was. That memorable year was 1933.

The name of his newly acquired ranch was El Sueco, and it contained a hundred thousand acres of rich valley land, and adjoined the Marquez-Terrazas and Schneider ranches. The ranch is about one hundred and fifty miles from El Paso, and one hundred miles from Chihuahua.

The Captain brought his Angus cattle down to this newly acquired five-thousand-foot altitude ranch where the climate was ideal, not too cold in winter, nor too hot in summer and above the bad insect line. The ranch was unimproved when Benton bought it. Water had to be provided and this necessitated the drilling of wells and the installation of imported windmills, the building of rock storage tanks and surface tanks. Under the Agrarian law the naturally watered lands had been given to the farmers. Ranchmen with large spreads had to provide their own water for their herds. The ranch also had to be fenced. This was done in 1934 with barbed wire and cedar posts cut in the mountains. Wells were gradually drilled where they were needed. Today there are at least fifteen or more windmills on the ranch with stone storage tanks, and as many surface tanks. One storage tank is seventy-five feet square, seven feet deep with walls two feet thick.

The years slipped by and the Captain continued to improve his ranch. His cattle did well, and he should have been "sitting pretty," but he was not satisfied. He knew good cattle when he saw them and he knew that his herds could be improved. He needed better bulls, better breeding cows. He thought about this problem often and became convinced that he could build up his own Angus herd by grading and selection. Would he dare institute such a program so foreign to the accepted breeding programs in Mexico at that time? Would his neighbors, many of them wise and successful cowmen, think him "tetched" in the head? But the Captain was fearless, and dared to dream and dared to get his program under way.

Prof. Knox Outlines Program

He knew the man who could help him. He was Professor J. H. Knox of the New Mexico College of Agricultural and Mechanical Arts. In the spring of 1943 Captain Benton invited Professor Knox to visit his ranch. When he arrived, the Captain outlined his program. "I want you

to classify and grade my bulls and my cows," he told the professor. "I'm convinced that I can build up a fine herd by that method."

They sat on milk stools in the adobe corrals and planned the system they would use in the grading, the same system used today. There would be three requirements—lowness, thickness and smoothness. The grades would be A, B and C. If an animal was exceptionally

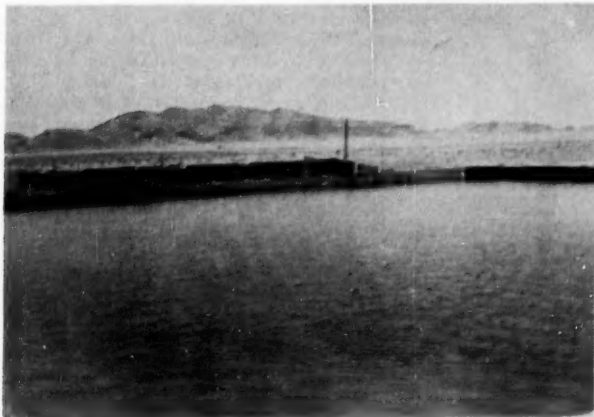


Margaret Benton, in comfortable slacks and woolen shirt which she usually wears at the ranch. When not at Sueco, she occupies her time in El Paso with the Board of Directors of the YWCA and the National Society of Arts and Letters.

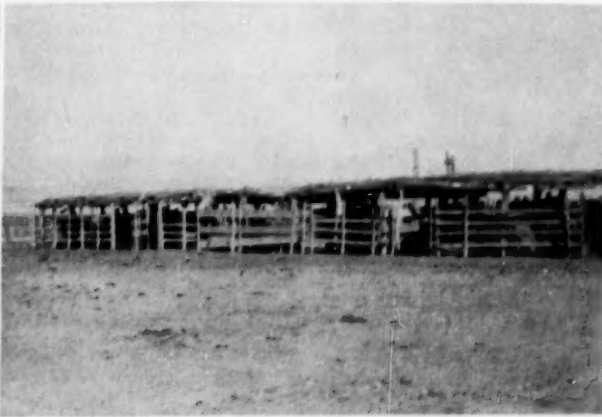
good he would get an A, which rated eighty-five. If poor, he would be graded BCB, about seventy-four. After the bulls were graded the captain decided to dispose of many, steering and selling the ones that did not have a good grade.

Captain Benton believed that by selecting the bulls on his own ranch he could

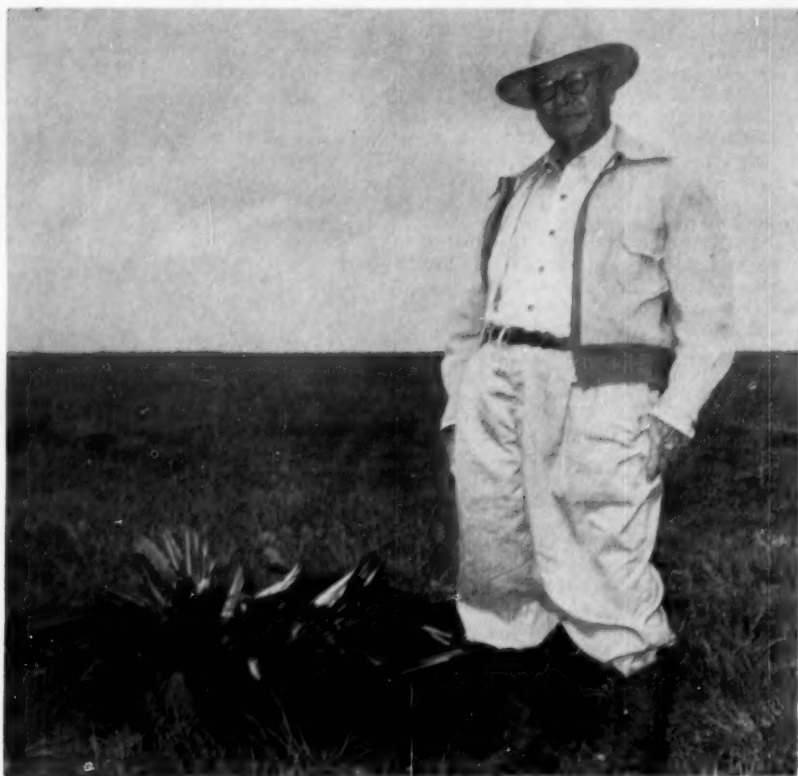
(Continued on Page 92)



There are fifteen or more windmills on the Benton Ranch with stone storage tanks. This large cement storage tank is seventy-five feet square, seven feet deep with walls two feet thick. It is the largest one on the ranch.



These makeshift sheds furnish shade for the fine bulls on the Benton Ranch. Benton lets the Vaqueros name the bulls and they give them colorful and important names.



A pile of 65 buzzards represents rancher J. B. McCloy's last catch in his "Vulture" trap.



off ourselves or burn 'em. Furthermore buzzards on the 1,200 acre Munson ranch have averaged killing one or two young calves a year, a loss he says will run "conservatively \$100 each year."

So after serious thinking about how much buzzards had cost him in more than a generation of ranching, Munson, spurred on by friends and neighbors, set out to destroy them.

Now Munson is not the first man to strike a buzzard. But he probably has a larger cheering section than most who have tackled the problem. Among those wishing him well are members of the Brazoria County Cattlemen's Association, Brazoria County Agent W. S. Millington, and the State Game and Fish Commission. Texas A & M. Extension Service has helped, too, by sending accounts of the fight to farmers and newspapers over the state.

Why this sudden interest in the lowly bird, which has so long glided through Texas skies without fear?

Because it is now widely believed that a buzzard is a carrier of such diseases as cholera, blackleg, and anthrax among livestock, spreads filth instead of removing it, and is a deadly killer of young calves, goats, and sheep.

Because of these findings, the State Game and Fish Commission has rescinded laws protecting them, and is instead encouraging that the buzzard population of the state be thinned. H. D. Dodgen, executive secretary of the commission, says his office will furnish plans for a "buzzard trap" to any rancher or farmer who is willing to help out. Several traps are already in use, particularly in the sheep and goat raising areas, he said.

"I wouldn't favor complete elimination of the buzzard," Dodgen said, "but I think the population certainly ought to be controlled."

Unfortunately for buzzards in Brazoria county, rancher Munson feels even less kindly toward the large, black lazily flying birds which search for death and smelly, decaying animal matter.

"I don't want to eliminate all buzzards, just thin 'em out a bit," he drawls. "I reckon about two to a county would be plenty to leave."

WAR ON BUZZARDS

How Much "Buzzard Theft" can Texas Ranchers Allow?

Reprinted from Humble Farm Family

A LONGTIME tenant of Texas farmlands, the buzzard, may soon have difficulty finding a peaceful home. No longer is he being blindly accepted as "a necessary bird that performs a nasty cleaning job." Many farmers and ranchers feel he is a thief, robbing them of hard-to-get profits in livestock, and that an unrelenting war on buzzards ought to be declared. Even the State Game and Fish Commission, which once protected the black vultures, now urges their destruction.

Over the state buzzards in increasing numbers are being blasted from the sky, or else tricked into cages where they are killed. Few if any kind words are being said about the large, unsightly bird with strange eating habits.

In the Gulf Coast area of Texas, buzzards by the hundreds used to glide above the Bascom Munson place near Angleton. Big live oak trees, their limbs heavy with moss, provided a natural, even beautiful, roost and headquarters for the vultures.

For years Munson, a lean and friendly rancher, paid them little heed. "Must be some good," he thought. Also, he remembered when he was a "knee-britches kid," about half a century ago, it was a \$5 fine to kill a buzzard. They were said to be valuable in cleaning carcasses which might not otherwise be removed.

But nowadays, what value are buzzards? "Not any," he is quick to reply. "A farmer these days doesn't wait on a buzzard to eat a dead cow. We haul 'em



On one occasion Munson lost a full grown cow which was attacked by a large group of buzzards at calving time. She tried to defend the calf, but finally she tired and couldn't fight any more and was then chewed and eaten to such an extent that she had to be shot.

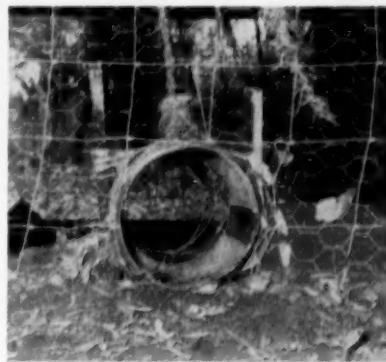
"Any ranch of any size loses a calf or so a year to buzzards," the veteran rancher estimates.

He first went after the birds with a .22 rifle, but soon cast it aside in search for a more effective method. Brazoria County Agent Millington, who has been solving farming and ranching problems for more than a generation (18 years as county agent in Brazoria and 8 years elsewhere), then offered Munson a bit of advice: "Why don't you try a trap?"

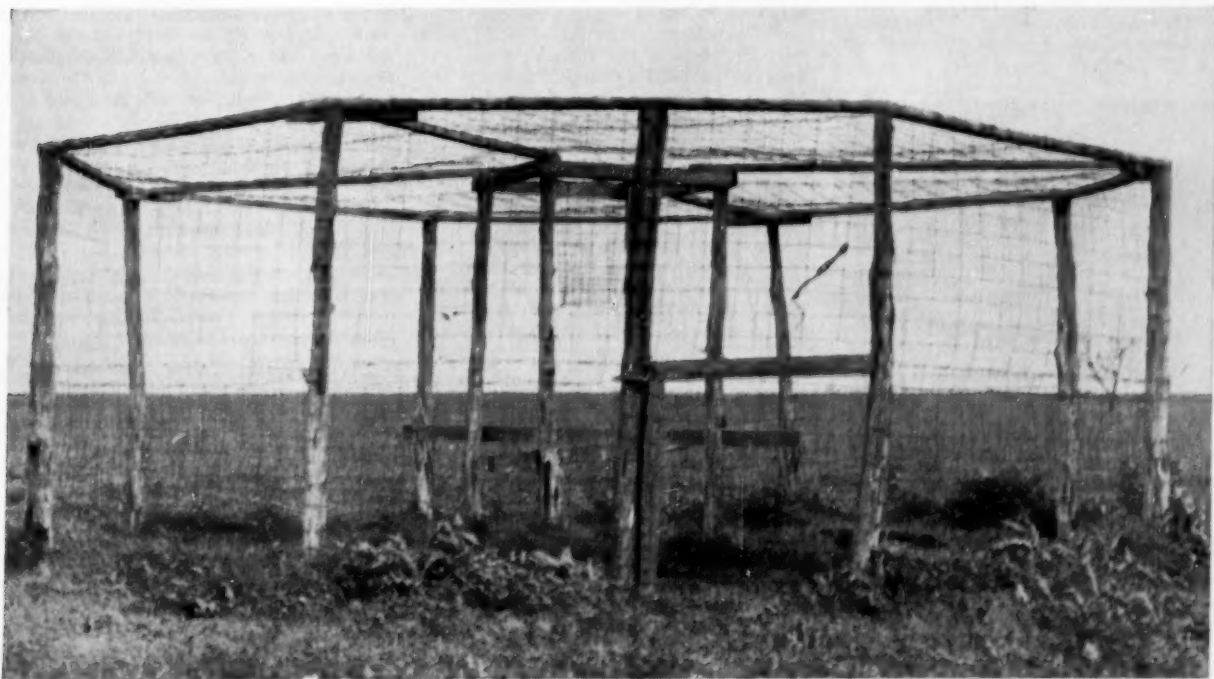
Munson, who says he has always found Millington's advice helpful, decided to give it a try. He built a trap of some old lumber and \$10.50 worth of wire, baited it with an "inviting dinner" of chicken, armadillo, and entrails, and placed it under a big live oak where buzzards were known to roost.

Word apparently spread quickly, because buzzards from miles around soared to the Munson farm, and into the cage for a delightful picnic-type meal. But alas! Upon eating their fill, they found no exit.

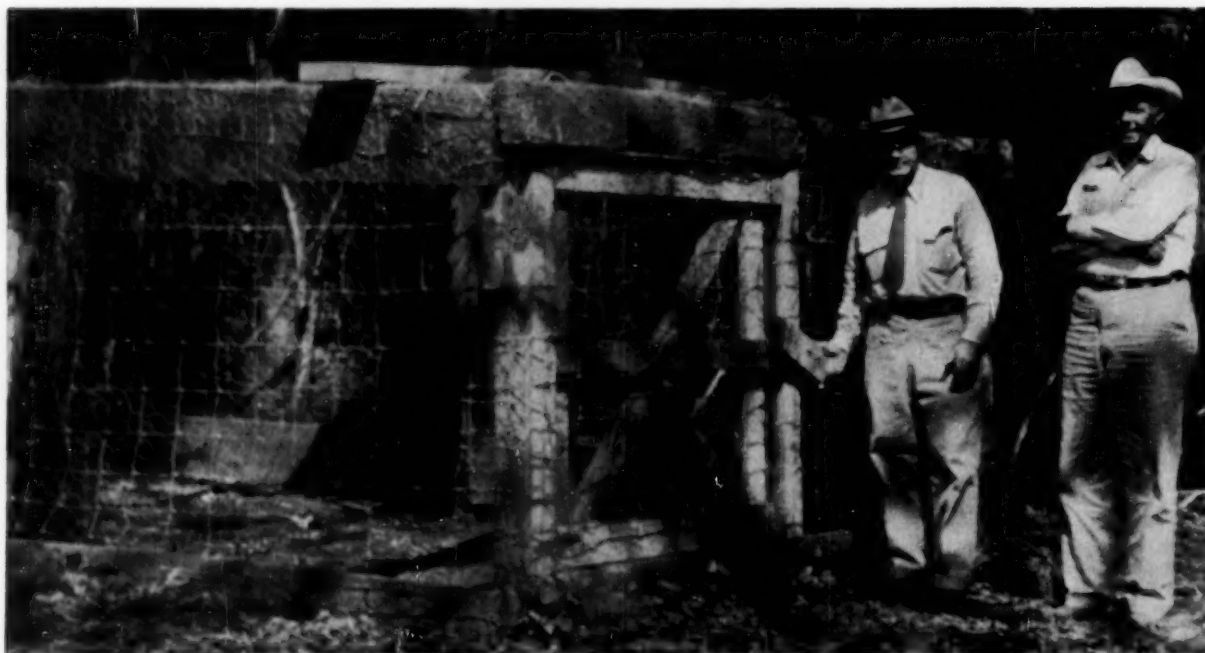
Munson and Millington were pleasantly surprised when they returned to the trap to see the results of their strategy. A total of 132 birds were scrambling in the confines of the trap! The



A trap entrance can be made from a nail keg.



McCloy's trap, near his cattle water troughs, has meant death for 1,575 Brazoria county buzzards during the past four years.



County Agent W. S. Millington (left) and rancher Bascom Munson returned to this trap to find 132 buzzards trying to escape.

tall rancher summed up the rest of the story: "We started firing into the cage with .22 rifles, Millington, myself, and a couple of helpers. It took more than an hour to kill them all. Then we hauled 'em off in a wheelbarrow and burned and buried 'em."

The trap was baited again, and was soon filled with more than 100 buzzards. But Munson waited so long to kill this batch that most of them broke through the wire netting and escaped. ("This convinced me I should have used better wire. I got weak wire 'cause it

cost only \$10.50. But I should have spent twice as much for wire twice as strong. It takes good wire to hold a bunch of buzzards, particularly when you start shooting. They really try to break out.")

Munson estimates he reduced vulture population by more than 300 during January and February. Now he's asking other ranchers to lend a hand.

"About 10 traps a county would put buzzards in Texas pretty well under control," he believes. A program would work best if ranchers and farmers would co-operate in locating and financing the traps, he thinks. County Agent Millington agrees, and is trying to stir interest in such a program.

They say any farmer or rancher who has seen a flight of buzzards assault a newborn calf will be eager to participate. As Millington describes it: "Sometimes 50 to 200 will attack at a time. The cow will turn to fight them off on one side, and they will dive in from the other side. Finally she worries herself down and can't protect the calf any longer. The other cows in the pasture don't seem to want to help out."

Filth which usually accompanies a buzzard also makes him an undesirable neighbor. In Munson's opinion, "Buzzards are the only creatures I know of that are so darn nasty they can't even associate with themselves."

Such nasty habits cost the lives of 1575 buzzards on the big 8,000 acre ranch of J. B. McCloy, also of Brazoria county. "They'd gather around the drinking troughs for the cows to get water," McCloy recalled, "but as soon as they'd get a drink they'd turn around and mess up the water. I couldn't always be cleaning up after them, so I built me a trap and

have caught 1,575. Not so many hang around here anymore."

The results of McCloy's last baiting lay on the ground as he talked, 65 buzzards in a pile. On occasion he catches more than 100 at a time, sometimes only one or two. The number of buzzards on a farm usually depends on how plentiful food is, he said.

Like Munson, McCloy loses a calf or so a year to buzzards. "But in addition to eating them, buzzards cause the death of a lot of calves by worrying the cow so much she stomps her calf to death trying to protect it. I suspect more calves are killed like that than just by being eaten," McCloy added.

He baits his trap only when it seems necessary to cut down the number of buzzards around his water troughs. Also the trap is baited when he or a neighbor had a dead animal which can be thrown in the cage for bait.

He says many people have written to ask how they can build a buzzard trap. Construction is simple, he says, and inexpensive. Wire and either posts or two by fours are all that's needed. Total cost shouldn't be more than \$25.

McCloy, Munson, Millington, and Dodgen hope efforts to cut buzzard population will gain increasing favor.

It would probably mean fewer deaths for livestock, cleaner drinking areas, and lower disease rates on the farm. All this, of course, could add up to many extra dollars for a rancher or farmer.



Munson trap entrance is of rolled wire.

All progressive cattlemen read

The Cattleman

RAY HURRIES



**Ray Wharton, Bandera, Texas, Roper Wins
Many Events on His Little Brown
Gelding, Scrap Iron**



By WILLARD H. PORTER



Ray Wharton on Rusty, now owned by Jim Bob Altizer, at a Clovis, New Mexico, calf roping contest. This professional calf roper from Bandera is small but mighty.

DENVER, Colorado, the big-money, midwinter rodeo each January, has for many years been one of the first important shows to lead off the new season. All the boys try to make this nine-day event for two very good reasons: there's lots of the long green to be won, and if a boy should make a killing here he'll have money in his pocket and confidence in his ability. He'll have a strong reserve to coast on, even though he doesn't make a dime at the next few rodeos.

According to the records, however, dimes—and lots of 'em—come pretty easily to the cowboys who start out winning at Denver. A big win at Denver is like a shot of whiskey: you want to go on with it and you usually do.

This year a fellow who made a big killing at Denver and who apparently is going on with it is calf roper Ray Wharton of Bandera, Texas. No newcomer to professional rodeo and one of the saltiest ropers on the circuit, Ray Wharton hauled into Denver last January and went to work. His work was rewarding.

Mounted on his great little brown gelding, Scrap Iron, Ray sacked up the calf roping event in no uncertain way. He won third in the first go-round with a 16.8-second run. He won first in the second go-round, with a 13 flat. And he won the average, beating Glen Franklin, Bill Price, Troy Fort, Cody Miller and Whiz Whizenhunt, in that order. His take-home pay was \$3,861.79.

In the past few months he has also won money at San Antonio, Houston and Amarillo, and by the time you read this he'll undoubtedly have won at other shows. There's just something about a Denver rodeo check that starts a guy out on the right foot. But he has to be

a fierce competitor; he has to be a really superb roping man to keep winning. Such a man is Ray Wharton.

Ray Really Hurries

To say that Ray hurries sounds kind of silly. But it's not. Ray does hurry. He hurries after calves as fast and as smooth and as wild as any roper in the business. He "uses" his stock, as the cowboys say. After he's roped a calf, he flies down that rope. He dances, he bounces, he braces himself against the tight rope. And when he gets a hold on a calf the critter goes down mighty quick. Then Ray wraps it up fast and leaves a calf as if it were too hot to handle.

This competitive hurry-hurry, this intense will to win, is what has been spelling out defeat for other ropers for over 12 years. Ray always wants to win. He wants to win badly. You can see this in his every movement. And there's not too much of him to move.

Short and stocky, he stands five feet, seven inches tall and weighs 165 pounds. Although very strong, he is at a slight disadvantage (compared to a taller man) when it comes to legging down high-jumping, limber-bodied Brahman calves. Add to this another handicap and you will begin to see why Ray Wharton's arena record borders on the phenomenal.

His right arm is two inches shorter than his left. When he was a kid he badly bruised his arm and a bone disintegration, known medically as osteomyelitis, set in. For eight years, until he was 15 years old, this arm bothered him and it took four operations to patch it up completely.

Ray was born at Kerrville, Texas, on February 17, 1920. His family had ranching interests between Kerrville and Bandera and it wasn't too long before Ray

was showing a glint in his eye at the prospect of dabbling a loop on something that moved.

Became a Pro in 1944

But it was not until 1944 that he took up roping as a profession. Before that time he worked on various ranches. He worked for Morris Witt at Uvalde. At Hebbronville he worked for Tom East. He also worked for his dad on the places that Wharton leased around Bandera.

The first big rodeo roping he ever won was during the race meet at Eagle Pass. That was in 1944, and since then the Wharton loop has encircled wins or places at Fort Worth, Midland, Vernon, Alice, Gladewater, Pecos, El Paso and many other Texas shows, plus Casper, Wyoming; Ogden, Utah; Lake Charles, Louisiana, and the whopper of them all—New York City's Madison Square Garden rodeo.

As a matter of fact, Ray has placed at New York every year he's been there since 1947. He's never won the average yet but he's carried away lots of money, both from his own placings and from percentage splits paid to him by the cowboys who ride his little mare.

Cindy is her name, and she is one of the most famous rodeo mounts ever to set hoof in the Garden arena. A Quarter mare, she is bay in color and stands about 14.3 hands tall. She weighs about 1,000 pounds. She does everything just perfectly except stop. Her stop's bad. But this is good at New York, where, as you know, a roper is fined ten seconds if his horse jerks a calf down. Cindy very seldom flops one over, and therefore has won for her riders a considerable amount in the past few years.

Along with her owner, the following
(Continued on Page 84)

Current Developments in Beef Cattle Dwarfism Research

Talk Given by Dr. Leslie E. Johnson, Head, Animal Husbandry
Department, Iowa State College, Ames, at Second
American Aberdeen-Angus Conference,
Knoxville, Tennessee

DWARFISM, AS the name indicates, represents a condition in which an animal fails to grow and develop normally. Hereditary types of dwarfism have been recorded in man, cattle, sheep, swine, mice and other species of animal life. In most species the frequency of the defect has been small.

Kinds of Dwarfism in Beef Cattle

Previous to the last decade, several kinds of dwarfism had been reported from various breeds of beef cattle in several countries. In general, each of the early type of hereditary dwarfism appeared to be inherited as a simple recessive and caused little loss to producers. In recent years, however, a new type has appeared which has increased rapidly in occurrence and has caused much concern to both purebred and commercial producers. This type has been called by many the "Snorter" dwarf. It was first reported in the Hereford breed but has since been shown to exist in the Angus breed.

The "Snorter" dwarfs are usually born alive with a fair chance of survival. While there is considerable variation among the dwarfs, they are characterized by their blocky appearance; short, compact body; bulging forehead; prominent eyes; protruding lower jaw and tongue; and low hanging head. At times, the better dwarfs have been mistaken at birth for outstanding show prospects. None develop normally, however, and incoordinate gait, large middle, and heavy breathing are common developments in the affected calves. Rate of mortality following weaning of dwarfs may be high under some conditions. Many dwarfs, both male and female, however, do live and will produce offspring if well cared for. It is usually necessary to take the young from dwarf mothers by a Caesarean operation.

Inheritance of "Snorter" Dwarfism

The mode of inheritance of "Snorter" dwarfism seems to be that of a one-factor Mendelian recessive. Thus cattle are of three kinds as far as dwarfism inheritance is concerned: 1, normals; 2, carriers, and 3, dwarfs.

If we let "n" represent the gene (unit of heredity) for this dwarfism and "N" represent the corresponding gene for normal development, the truly normal cattle are NN, the carriers are Nn, and the dwarfs are nn. Six types of matings are possible, theoretically, if we make no distinction between which is the bull and which the cow when the two are not alike in their ability to transmit

dwarfism. Since a parent produces a germ cell containing only one gene of each set (in this case either "N" or "n" but not both), the offspring produced by the six types of matings are as follows:

Mating type	Genotype of offspring	Outward appearance of offspring
1. NN to NN	All NN	All normal
2. NN to Nn	About $\frac{1}{2}$ NN and $\frac{1}{2}$ Nn	All normal
3. Nn to Nn	About $\frac{1}{4}$ NN, $\frac{1}{2}$ Nn and $\frac{1}{4}$ nn	About $\frac{1}{4}$ dwarfs
4. NN to nn	All Nn	All normal
5. Nn to nn	About $\frac{1}{2}$ Nn and $\frac{1}{2}$ nn	About $\frac{1}{2}$ dwarfs
6. nn to nn	All nn	All dwarfs

Only the first three types of matings can occur if no actual dwarfs are used for breeding. Matings of types 4, 5 and 6 are sometimes made by experiment stations to learn more about this dwarfism, but breeders need not make them. Breeders' visible troubles all come from matings of type 3, although those troubles do not occur until after some matings of type 2 have brought the dwarf gene into the herd. NN and Nn animals look so much alike that as yet we are not able surely to tell them apart by their own appearance or physiology. The fact that this type of dwarfism has increased so rapidly, however, seems to indicate that Nn (Carrier animals) are preferred in our selection practices even though we cannot definitely state what causes the preference.

When a dwarf calf is born to normal parents, the mating is thereby known to have been a type 3 mating and the sire and dam are equally guilty. All carriers (the Nn individuals) are equal in their ability to transmit dwarfism. Apparent exceptions to this rule are caused only by variations in the number of mates which are Nn and by the chance fluctuations which can always occur in small samples. Bulls which are known as "high transmitters" are bulls that happened by chance to transmit an unusually large number of dwarf genes to the small samples of calves they produced, or who were used in a herd where the percentage of carrier cows was unusually high. If a carrier bull is used in a herd where most of the cows are NN and only a few are Nn, he won't have a chance to produce many dwarf calves. Such a bull might be known as a low transmitter. But the very same bull would appear to be a high transmitter if he were used in a herd where nearly all cows were Nn. In our project, a bull

who has produced only 1 dwarf in 75 calves was later mated to carrier cows. Three of his next eight calves were dwarfs.

The dwarf gene is usually introduced into a herd through a carrier bull. All of his calves may appear normal because the cow herd consisted entirely of NN cows at the time he was used, and, therefore, all the matings were of type 2. But about half of his calves will be carriers. If the next bull is not a carrier, the breeder may never know that dwarf genes were introduced. But if the next bull is a carrier, about one-eighth of his calves from daughters of the first bull will be dwarfs. This again is an average statement and one must allow for some variation due to chance

in small samples. The second bull is likely to get all the blame because no dwarfs had occurred in the herd until his calves began to come. But he could not have sired dwarfs if the "n" genes had not already been in some of the cows in the herd.

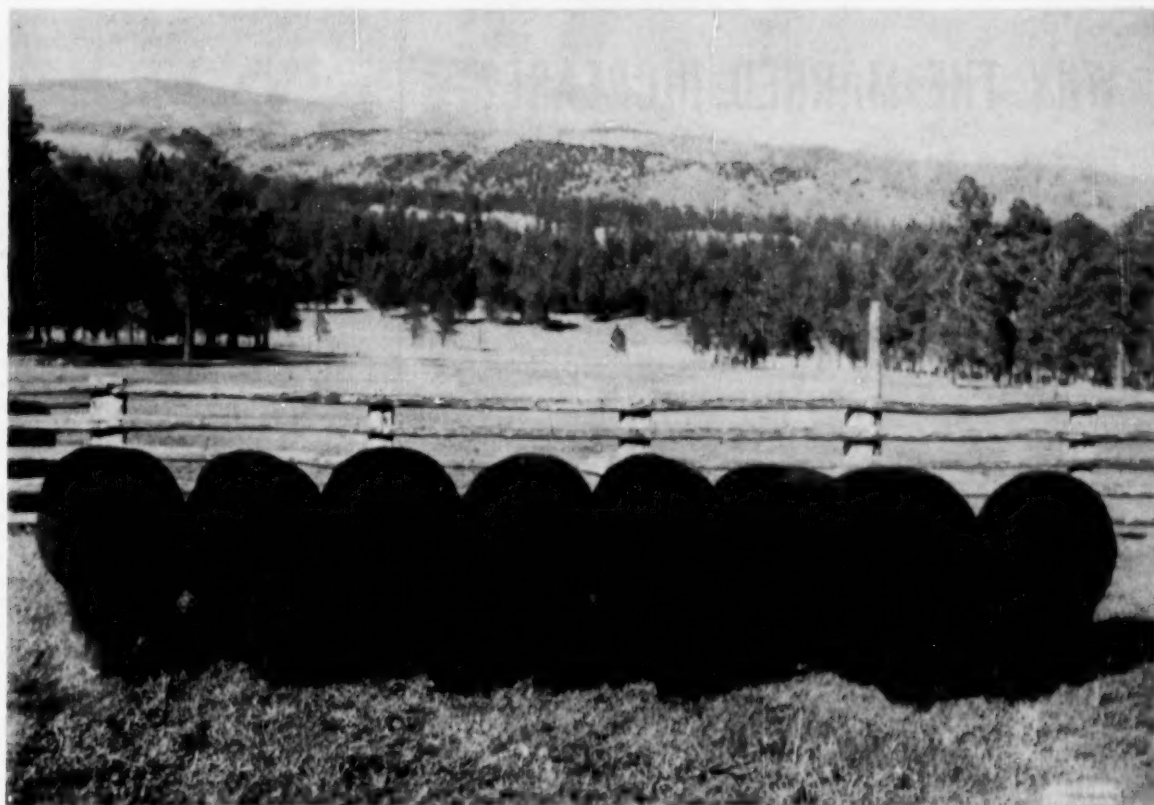
The dwarf gene could be introduced into a herd through purchased cows instead of through a bull, of course, but each cow has so few calves that few Nn cows are likely to enter the herd that way unless most of the herd is assembled by purchasing females from herds where Nn bulls had been used extensively.

The Problem of Dwarfism

The effect of dwarfism in a commercial herd is chiefly that of a reduction in percentage of calf crop. To the producer of seed stock, however, it is a reduction of calf crop plus a greatly reduced value of all stock for sale as breeding animals. This has caused some to dispose of all dwarfs at birth and continue marketing of all other animals as usual, thus greatly spreading the defect.

The actual percentage of dwarfism in beef herds is unknown. Those who have had little trouble often feel it is unimportant while those who have had much trouble believe every herd is troubled with it. This has led to much confusion and many good breeders have dispersed their herds. Such action is certainly unnecessary in view of known facts about the defect. The most practical policy seems to be to recognize the defect and do all that is practical to eliminate it or make it very scarce in the animals which one has elected to breed.

Certain herds and families are claimed to be free from dwarfism. If this is



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really true, breeders can avoid dwarfism by using bulls from the "free" families. However, the gene may be in such a family but in so few animals that it merely hasn't shown up yet. If that is so, or if the gene gets introduced later by mistake, or by errors in pedigrees, it can become abundant in a family which was once clean or at least was honestly thought to be so. This will be particularly true if the carrier animals do in fact appear to be better individuals than the non-carriers. Trying to classify families as clean or as carriers is likely to help a little, since families will differ widely in the proportions of NN and Nn animals they contain, but is by no means a completely satisfactory answer since: 1, pedigree barriers are not completely rigid; 2, mistakes may occur, and 3, many of the individual animals in carrier blood lines are non-carriers.

Discarding the very close relatives of dwarfs helps materially but quickly loses its usefulness as the relationship becomes remote. For instance, the probability that a normal-appearing animal which is related to a dwarf is itself a carrier is about as follows for some of the common close relationships:

Relationship to a dwarf	Probability of being a carrier
Parent	100%
Full sib (brother or sister)	67%
Half sib	A bit over 50%
Son or daughter of a half sib	30% to 40%

For comparison, the average normal-appearing animal in the beef breeds at present has a probability of something like 15 to 25 per cent of being a carrier, although that figure is not well established and doubtless varies from family to family. In short, cleaning up by attention to individual pedigree is subject to much individual error, except in the case of parents of dwarfs. Dwarfness in individual pedigrees should lead to severe culling of parents of dwarfs, less severe culling of sibs of dwarfs, and might well be used a little to sway otherwise close decisions in the case of those whose parents had dwarf sibs, but deserves little attention in cases where the relationship is more remote than that.

Eliminating by Progeny Test

The most certain way of telling whether a bull is a carrier is by mating him to other carriers. Each time a carrier bull is mated to a carrier cow, the probability is one-fourth that he will produce a dwarf calf. Three-fourths of the truly carrier bulls would escape detection if they each sired only one calf out of a carrier cow. However, escaping detection in one such mating doesn't help him escape in the next. Consequently, the probability of a carrier bull never revealing his true nature in even one of the matings becomes smaller and smaller the more calves he sires out of carrier cows. The following table shows

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how the percentage of carrier bulls which would be expected to escape detection decreases if the bulls are mated to many carrier cows.

No. of calves from known carrier cows	Percentage of carrier bulls which would sire no dwarf calves
1	75
2	56
4	32
8	10
10	6
12	3
14	2
16	1

A suspected bull must produce 10 or more normal calves from carrier cows before one begins to be reasonably sure that he is not a carrier, although even one dwarf calf which was surely by him will convict him of being a carrier.

If known carrier cows cannot be found in numbers sufficient to make the above test, daughters of a known carrier bull can be used for progeny testing sires, since at least half of such daughters are carriers, although the breeder will not know which ones these are. In using daughters of a known carrier sire one must be sure to allow for any known carrier daughters that have already been sorted out from the sire groups being used.

Calves produced from unselected daughters of a carrier bull	Pct. of carrier bulls which would sire no dwarf calves
16	12
20	7
24	4
28	2.4
32	1.4

Bulls could be progeny tested by mating them to their own daughters but not many breeders will care to do this because: 1, it involves intense inbreeding; 2, the bull would have to be around 5 or 6 years old before the results of the test are known, and 3, it is no more accurate a test for this dwarfism than mating him to the daughters of some other bull known to be a carrier. However, it does have the advantage of testing him at the same time for all other kinds of undesirable recessive genes, not just for this kind of dwarfism alone. It will probably not be used much, as long as dwarfism is common enough that known carrier cows are fairly abundant and available, but will become more nearly the only practical progeny test for sires when dwarfism becomes very rare.

Cows never produce enough calves to be progeny tested systematically. If the sires are tested so carefully that only NN bulls are used in the breeding herd, the fraction of cows which are Nn will be halved each generation and the problem of carrier cows in the herd will tend

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Juan Ember 1240264	{	Barwood B 2	Barwood B.
		942333	Estrallita B.
		Elbelda Juanah 2	Elbeldolier A
		1047755	Eppie Juanah
Viglomah Lady Elba 2 952627	{	Viglomah Eileenmere	Blackcap Eileenmere 12
		840371	Barbara of Dixie 41
		Elba Dixie 8	Blackcap Sanders 83
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to disappear. But if an Nn bull gets used occasionally, some of the cows are likely to be carriers. Sires can always be tested on carrier cows if that is considered desirable, but keeping the cow herd clean is most important if the animals sold are to be guaranteed free of dwarfism.

Unless and until some highly accurate and usable simple way to tell which bulls are carriers and which are wholly normal is found, keeping the cow herd entirely clean will be an uphill fight. The nearest thing to a single way to do that is to keep enough tester cows to test all prospective herd sires and be reasonably sure that only clean bulls are used on the pedigree cows. The number of tester cows necessary might be an impractically

large fraction of a small herd but ought to be economically possible for the larger herds. Discriminating a bit against the very close relatives of dwarfs will help to keep the percentage of dwarfs lower than otherwise but cannot be perfectly accurate except only in the case of the parents of a dwarf. Other pedigree discrimination will cause some needless sacrifices of good stock. About one-third of even the full brothers and sisters of a dwarf will be completely free of dwarfism and incapable of transmitting it.

Other Details About Dwarfism

The "Snorter" type of dwarfism is not related to sex. The sex ratio among dwarfs is about 50-50. Males and females are equally likely to transmit it and both

parents are equally responsible for a dwarf.

The "Snorter" type of dwarfism seems utterly different genetically from the fairly common short-legged types of small cattle commonly known as "comprest" or "compact." The snorter type is recessive and the dwarfs are seriously handicapped. The comprest or compact type is dominant, or at least semi-dominant, and its vitality is good enough that some breeders have been enthusiastic about them, although that view is held less commonly now.

One single pair of genes must be responsible for the "Snorter" type of dwarfness, else the subsequent calves produced by mating cows and bulls that had already produced dwarfs with other

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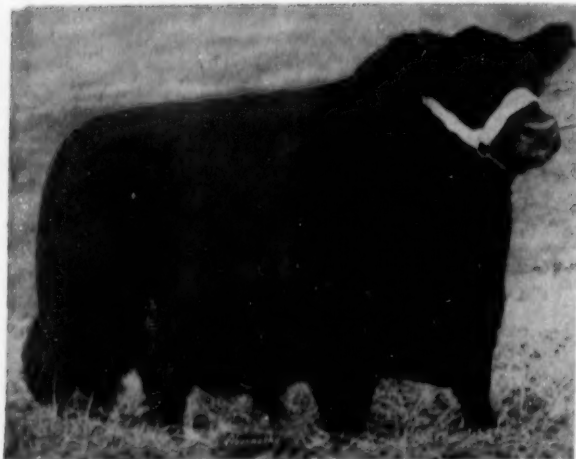
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actually had many Nn x Nn matings but, by chance, these produced less than the expected average of one-fourth dwarfs. Whatever part chance played in causing the actual fraction of dwarf calves from Nn x Nn matings to be less than the expected one-fourth is not likely to be repeated next year, but whatever part was really due to the fraction of Nn x Nn matings being high or low will tend to be repeated, except as it is changed by using different bulls or by the fraction of Nn cows among the new ones being different from what it was in those they replace.

Remedy Can Be Misleading

If this part which chance can play in the outcome of the Nn x Nn matings is not understood, especially what it can do to a comparison between past and future performance of groups already sorted on their past performance, one can be seriously misled about the effectiveness of a remedy which is tried. For example, suppose a herd has 100 calves out of NN cows and 100 out of Nn cows and all the sires of those calves are Nn. The most probable result is 25 dwarf calves, but any number between 20 and 30 is almost as likely and, in rare cases, such a herd might even have fewer than 16 or more than 34 dwarfs. Suppose the actual number is 24 and a salesman offers to "prove" that remedy "X" is effective by using it on the dams of the 24 dwarfs. If the same bulls are used again, the most probable result from these 24 cows, even if no remedy were

used or if this one has no effect one way or the other, is 18 normal calves and 6 dwarfs. This reduction of the dwarfs out of those cows in one year from 24 to 6 might seem to demonstrate that the remedy was effective enough to be worth quite a little money, if one didn't look at the rest of the story. The other 76 Nn cows that happened to produce only NN or Nn calves the first year have a fresh chance to produce dwarf calves this year and, if bred to Nn bulls, about one-fourth of them, or 19, is the most probable number that will do so. These 19 dwarfs, plus the 6 from cows which repeat, add up to 25 dwarfs expected this year, the same as last. But the salesman still has another chance to "prove" that his remedy is good. The owner may also change bulls. If the new bulls are NN, none of the calves will be dwarfs at all, and the salesman might try to claim for medicine "X" all of the credit for that!

When dwarf calves are born into a herd, the owner knows the following things:

1. Their sires and their dams are all carriers. That is certain.
2. Slightly more than half the normal calves by those same sires are carriers. This fraction can vary up or down a bit, by chance. It can vary upward toward two-thirds, according to how many of the dams of those normal calves were carriers.
3. The carriers thus detected are

probably only a little more than one-fourth of the carrier cows among the mates of those same bulls. This fraction can vary widely, just by chance.

4. If some bulls sired only normal calves, they may have been Nn bulls with too few Nn mates to reveal that they were carriers, or they may have been NN bulls.

In short, the number of carrier cows likely to be in the herd is apt to be something more than four times the number of dwarfs produced each year, although the accuracy of this kind of estimate will vary widely from one herd to another and from year to year in the same herd. The occurrence of even one dwarf ought not to be disregarded as "just one of those things" and the occurrence of two or three in the same year suggests that many cows in the herd are Nn.

Some Evidence Still Vague

The bright side of the picture is that merely discarding the dwarfs exerts some selection against the "n" gene, although that may perhaps be balanced by preference for Nn over NN individuals, especially among the bulls. How numerous can the dwarfs become if no remedial measures are taken except not to breed from any of the dwarfs? The answer depends much on how strong is the preference for Nn sires over NN sires, a point on which the evidence is still vague. Yet the following cases are probably extreme enough to bracket the true



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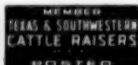
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situation. Suppose "N" is completely dominant to "n" in females, so that Nn females are neither favored nor handicapped, in comparison with NN females, but that Nn males are preferred to NN males so much that:

- All the bulls used are Nn. Then the fraction of dwarfs would stabilize at about 14.6 per cent of all calves born.
- 60 per cent of the bulls are Nn. Then the fraction of dwarfs would move toward 6.1 per cent.
- 40 per cent of the bulls are Nn. Then about 3.0 per cent of all calves would be dwarfs.
- 20 per cent of the bulls are Nn. Then the situation would stabilize with about 1 dwarf per 120 calves.

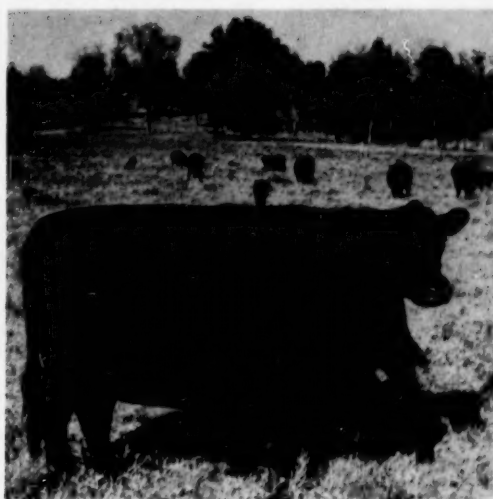
Present evidence on the prevalence of dwarfism is, for many reasons, sketchy and highly undependable. It points, we think, more toward "b" or "c" than toward "a" or "d," although the real prevalence in whole breeds might well be lower than in "c." These figures are what is expected in groups so large that chance would have little effect on the outcome. Actually, the individual herds are small enough that chance can swing the fractions up or down from these population averages rather wildly from year to year and from herd to herd. The breeder who has used three Nn sires in a row and happens to get 12 or 15 per cent dwarfs in a certain year may find it only very cold comfort to know that the average for men in his circumstances is only about 8 or 9 per cent, for example, or for his whole breed is only about 3 per cent.

Status of Research to Identify Carriers

Research workers are diligently striving to find some way of identifying Nn animals by means other than a progeny test. Methods studied in some detail include 1, profilometer reading of head; 2, X-ray readings of lumbar vertebrae; 3, blood tests; 4, urine tests; 5, endocrine tests, and 6, cerebral spinal fluid pressure measurements. Of these, the profilometer technique has been released for use in the field on mature horned bulls in the Hereford breed. Its usefulness to date has been limited since most workers find that it places more animals in the carrier class than can possibly exist in uncultured groups. A detailed description of the use of the profilometer can be found in *Hilgardia* 22:407-450, 1953. The X-ray technique has not yet been released for use. In the work to date it classes slightly more animals in the carrier class than seems reasonable.

Please find enclosed \$5.00 for a three-year subscription to *The Cattleman*. As I was raised partly on the old L.F.D. outfit at Four Lakes out from Roswell, New Mexico, and The Yellow Houses at Littlefield, Texas, I am very much interested in *The Cattleman*. We have plenty of land and grass here on Kodiak Island and some day we hope to stock it to the limit.
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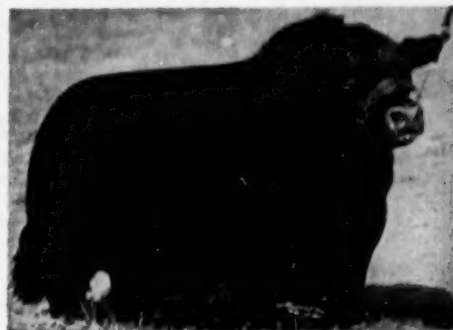
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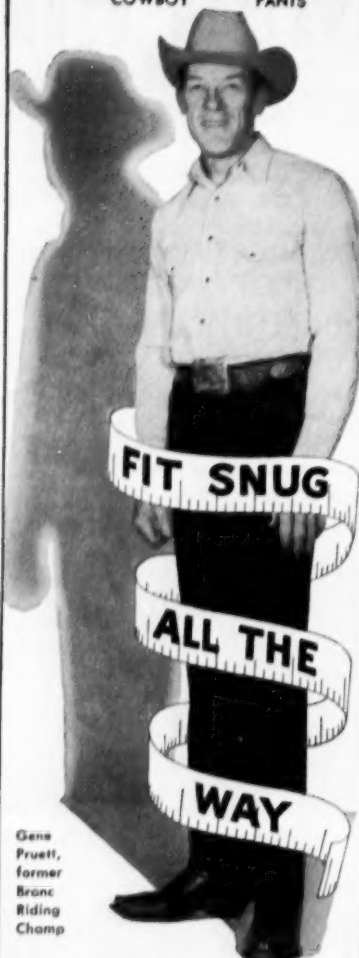
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CHUCKWAGON By CHARLIE, the cook

THE uses to which ground beef can be put by the versatile kitcheners never cease to be amazing. It's the one product from the beef steer that can be cooked in some different form for every one of the 365 days of the year—and with well-nigh as many different flavors.

So, add to the list of good recipes in this category an economical big-family dish called Olive Beef Roll, which is put together like this:

INGREDIENTS: Two pounds of ground beef, round; fourth cup of finely chopped onion; half a cup of chopped pimiento-stuffed green olives; half a cup of catsup; two eggs; fourth a teaspoon of pepper; three cups of fresh bread crumbs; a second one-fourth cup of finely chopped onion; two tablespoons of chopped parsley; one and a half teaspoons of poultry seasoning; half a teaspoon of salt; third of a cup of melted butter or margarine; fourth a cup of small pimiento-stuffed green olives.

METHOD: Combine beef, first one-fourth cup of onion; chopped olives, one egg, one-eighth teaspoon pepper, and mix well. Roll out on waxed paper into a rectangle one-fourth inch thick, about 10 by 16 inches. Meanwhile, combine remaining egg, one-eighth teaspoon of pepper, bread crumbs, the second one-fourth cup of onion, the parsley, poultry seasoning, salt and butter. Mix well and spread over the meat mixture, and then roll up jelly-roll fashion. Place seam side down in a greased baking pan and bake in a moderate, 350-degree, oven for an hour.

* * *

Don't think that Westerners or cow country people have any sort of corner on that artistic culinary project called barbecuing. The Orientals can really do wonders with a mess of spareribs, which they ginger-up (literally) in this manner:

INGREDIENTS: Two tablespoons of cornstarch; three tablespoons of brown sugar; one tablespoon salt; two tablespoons of soy sauce; one slice of ginger root crushed (or half a teaspoon of powdered ginger); one clove of garlic crushed; two tablespoons of catsup; half a cup of fresh lemon juice; half a cup of water; three pounds of spareribs cut in three-inch pieces.

METHOD: Combine all the ingredients except the spareribs and blend well. Cut the ribs into easy to handle pieces, about three inches square. Brown on both sides in a little hot fat, drain off excess fat and then pour sauce over ribs. Cover skillet with a tight-fitting lid and simmer for an hour, or until tender. Remove ribs from skillet and place on outdoor grill or under kitchen range broiler and brown until crisp. Garnish with fresh lemon slices and do what is plainly indicated.



"Don't bet the can opener, Chuckwagon, or we'll ALL starve!"

A reader from out Albany, Texas, way, Mrs. Robert Bradford, sends in her own favorite for Heavenly Hash, which sure-enough lives up to its name. It's put together like this:

INGREDIENTS: One pint of whipping cream; one large can of cubed pineapple; five egg whites; two boxes of marshmallows; one teaspoon vanilla.

METHOD: Empty the can of pineapple over the marshmallows and let this combination soak for at least an hour. Whip the cream and fold in the stiffly beaten whites of eggs. Then add to the cream mixture the pineapple and marshmallow mixture, putting in the teaspoon of vanilla last.

All of which reminds us of a somewhat similar "heavenly" dessert we'd like to pass along in exchange for the preceding. It's Tropical Ice Cream Pie, and quite appropriate for a June day in most climes. The formula goes like this:

INGREDIENTS: One cup of graham cracker crumbs (which is about 15 crackers); fourth a cup of brown sugar; three tablespoons of melted butter or margarine; one quart of vanilla ice cream; one cup of drained crushed pineapple; maraschino cherries; pecans, or toasted almonds, or walnut halves.

METHOD: Mix graham cracker crumbs, brown sugar and melted butter together. Turn into a one-quart refrigerator tray (or nine-inch pie pan, or eight-inch square pan). Spread mixture evenly over bottom and sides and pack it to form a crust, then chill for half an hour. Carefully pack the ice cream in this cracker-lined pan. Spread drained crushed pineapple over top, decorate with cherries and nuts, and place in freezer or freezing compartment of refrigerator until ready to serve, cut in wedges upon serving.

* * *

The approach of the hot days makes this Fruited Slaw Salad Mold a welcome addition to any supper table—a festive make-it-in-advance number for which here is the pitch:

INGREDIENTS: One (No. 303) can of fruit cocktail; one package of lemon-flavored gelatin; one and three-fourths

cups of boiling water; three tablespoons of lemon juice; fourth a teaspoon of salt; one cup of finely shredded raw cabbage; and mustard dressing.

METHOD: Drain fruit cocktail thoroughly. Dissolve lemon gelatin in boiling water. Add lemon juice and salt, then chill until mixture begins to thicken. Stir in one and fourth cups of the drained fruit cocktail, saving the remainder for garnish, and also stir in the cabbage. Turn into lightly oiled mold (or individual molds) and chill until firm. Unmold, garnish, and serve with mustard dressing—which is made by blending until smooth, fourth cup of mayonnaise, half a cup of commercial sour cream; fourth a teaspoon of salt, half a teaspoon of prepared mustard and one and a half teaspoons of lemon juice.

Whatever the people of the Alps had to do with originating the steak cooking method known as Swiss, they deserve an enthusiastic yodel for having developed same—especially when it's handled like this:

INGREDIENTS: Two pounds of round steak half an inch thick or more; two tablespoons of fat; eighth of a teaspoon of paprika; one teaspoon salt; one clove of garlic, peeled; one cup of water; two tablespoons worcestershire sauce; three-fourths cup of sour milk or cream; one teaspoon of paprika; and two tablespoons of flour.

METHOD: Melt the fat in a skillet. Rub meat with salt and the eighth of a teaspoon of paprika, then brown the garlic clove in the hot fat and remove the clove. Add the meat and brown well on both sides. Add water and worcestershire sauce. Cover and cook slowly for about two hours. Then add the sour milk or cream and the teaspoon of paprika. Continue to cook slowly for about 15 minutes, after which remove the steak to a hot platter. Thicken the broth with the flour mixed with a half cup of cold water. Stir and boil five minutes and serve the gravy over the meat.



Marion's Girl, winner senior Quarter Horse cutting contest, Santa Rosa Round-up, owned by Marion Flynt, Midland, Texas and ridden by Buster Welch.

—Cathey photo.

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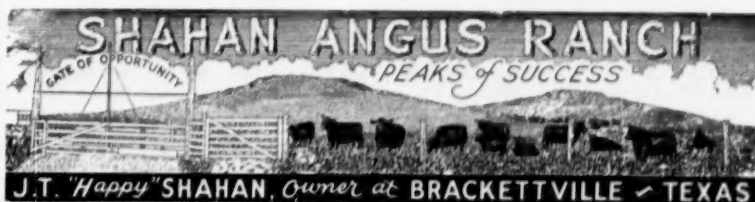
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My Month in Scotland

(Continued from Page 29)

Burgesses, Vines, Blackbirds, Coquettes and others, among which there are some very attractive individuals indeed, but the numbers representing these tribes are small and none of them have ever been able to successfully challenge the over-all prestige and the public esteem in which the Prides and the Ericas are held.

In all, my swing around included some twenty-five Angus herds. Several days were spent in Perth and Aberdeen, taking in their annual shows and sales, and just to check a bit on the competition it was thought a few days attending the Premier Hereford Bull Show and Sale in Hereford, England, would be attractive, and the Perth Shorthorn Show and Sale received a casual visit. Both provided a look at a lot of good cattle and were pleasant and worthwhile experiences.

Visit Dalmeny in the Lothians

The first herd to be visited was Dalmeny, in the Lothians. This is one of the old, sound herds, dating back 65 years. The Earls of Rosebery have farmed land in the Lothians of Scotland since the Seventeenth century, the Angus herd being started by the Fifth Earl in 1891. When the present Earl succeeded to the estates as the Sixth Earl, in 1929, he increased and improved the herd. It has been maintained on an exceedingly strong basis for many years. They have a lot of beautiful females—Prides, Jilts, Georginas, Ruths, Ericas, all some of the best to go with a reputable and well-proven herd bull battery. Stype Jovial Cavalier has been the senior herd sire for several years. He is a level, classy bull of the right size, that has bred well and has offspring widely spread and doing well all over Britain. Then there is Black Brutus of Barnoldby, bought last year at 9,000 gs., and whose first calves are now on the ground. The massive Brigaturk of Broadleys is here, too, and the great breeder Jungle Eric of Candacraig. All these bulls are siring well and Dalmeny will go from strength to strength.

William Sinclair is the manager at Dalmeny, the third Sinclair in line to hold that position. The Earls of Dalmeny and the Sinclairs are a remarkable combination. There has been a Sinclair in charge of the herds at Dalmeny almost as long as there has been a Dalmeny, and Lord Rosebery tells friends he wishes to have a Sinclair there as long as he lives. Such relationships between owner and farmer make for something solid to build on.

Next to London, Dalmeny was one of the most strategic spots in Britain during the war, as it was here Sir Winston Churchill, Montgomery, Eisenhower and others frequently held highly secret and exceedingly important conferences. There is a group of young trees on the lawn at Dalmeny that were planted during one of these conferences, each tree named for one of the statesmen present.

My route next led north to Aberdeen,

a city built of granite and sitting on granite, perched high on the coast of northeast Scotland overlooking the North Sea, thence forty miles west through the rich farming country of Aberdeenshire and on into the foothills of the Cairngorm Mountains, one of the highest, most rugged and most beautiful mountain ranges in the Scotch highlands to Douneside, home of the late Lady MacRoberts, who was American-born and whose three aviator sons were lost in the war and in whose memory she donated to Britain's Air Force four Hurricane Fighters and a Stirling Bomber, naming the Bomber "MacRoberts Reply."

Remorman of Douneside

Douneside is the home of one of the really outstanding cow herds in Scotland, and at their head is the home-bred Remorman of Douneside. This invincible show bull has campaigned steadily for several years and is without a doubt one of the most perfect showyard specimens the breed has produced in a generation of years. He is big, smooth and deep, with a grand countenance and just about perfect any way you look at him. While now spending his time in the breeding pen and let down from his campaign days, he would be packing 2200 pounds and doing it gracefully. He is a bull worth going to see.

Not far from Douneside is Leylodge, owned by G. and J. Abel, who have some of the best Georginas and usually manage to have a bull or two good enough to go to the Argentine every year.

Lying for some 30 miles along either side of the line that divides Scotland and England is a country that stretches from the North Sea, on the east coast, to the Irish Sea on the west coast, a distance of some 75 miles. It is known as the Borders or the Border Hills and is ranching country with big, grassed-over hills rising to 3,000 feet and more above sea level. The holdings run in size from several hundred to several thousand acres. It has been devoted to commercial cattle and sheep raising ever since the Romans had charge of it, from the first to the fifth centuries A. D. The Arnotts of Haymount live here. One of their bulls came out to Mark Cox III of Wyoming a few years back. Then there is Clackmae, home of Will Hogg, who has judged at the Chicago International. On the south, or England side of the border, is Bywell, the herd of Viscount Allendale. Bywell celebrated its 50th anniversary two years ago by exposing the 9,000 gs. Eventmor of Bywell, at Perth. The Bywell herd sire is Elegant of Little Dean, a medium-sized, level, attractive bull whose first crop of bull calves were at Perth this year and brought strong prices. The cows at Bywell are something to behold. They are very wide-backed and level, with lots of scale and wonderful symmetry and perhaps the deepest flanks that are to be seen over there. One of their favorite strains is their Matilda tribe, that has been at Bywell for fifty years. And this is the home of some of the best of that exclusive bull-producing Evaboxa fam-

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ily, which is certainly one of their preferred Erica varieties.

Home of World-Famous Eulimas

Another great herd in the Borders is Kilham, home of Sir Alfred L. Goodson and his world-famous Eulimas. Now it can be told—they are just as good as they are reported to be. Seven of the Kilham bulls in this year's Perth sale brought a total of over \$70,000, testimony enough of the splendid factory at Kilham.

Down on the east coast of England, near the heavily bombed city of Hull, in Yorkshire, is the Southburn herd of Sir William and Miss Clare Prince-Smith, with Ballin Bremmer of Douneside at its head. Here is a good bull and a good sire, a level, lengthy, weighty one that sired the present Harviestoun sire, Jemor Eric of Southburn. Southburn has some classy, feminine Juana Ericas that appear to be wonderful producers and some Ericas not far behind. A former sire, Escutcheon of Bruceton, is now retired to the blue-grey commercial herd. There are few better anywhere. The Scotch and English breeders certainly believe in putting good bulls with their commercial herds. One sees some of the best bulls in the grade herds. It is an inspiring sight to see commercial cattlemen by the scores at their annual bull sales standing right up and paying 250 gs. to 750 gs. (about \$750 to \$2250, our money) for yearling bulls to go into their grade herds.

Not far from Southburn is Barnoldby,



LH Quarter Moon, champion gelding, Santa Rosa Roundup, owned by Phillips Ranch, Frisco, Texas. —Cathey photo.

home of this year's champions—the Perth champion bull and the Perth champion female. Both were sired by their strong sire, Protus of Greenyards, whose sire is Proud Frenchman of Rowley and whose dam is one of the top cows in Scotland—Proud Budina of Shempston. The Barnoldby herd numbers about 20 cows, among them being some outstanding Pinky Prides, Blackbirds and Ericas. Everything at Barnoldby is spick and span. The bull boxes, as in most all establishments, have concrete floors and concrete sidewalls or partitions and the boxes are quite large, perhaps 20 by 20 feet, some of them larger. Since feed, forage and bedding are at a premium,

it is the custom, usually, to bed only one corner of the box with straw, just enough for a bull or two to lie on.

Little Dean Herd

Anyone traveling in England and looking at Angus herds should see the Little Dean herd. It is owned by Brigadier E. R. Kewley, who is the president of their association, the official name of which is the Aberdeen-Angus Cattle Society. The brood cows at Little Dean rate with the best, in fact, it is doubtful if any breeder in England or Scotland can match a dozen of Little Dean's best. Such perfectly grand Mulben Prides, Ericas and Miss Burgesses one seldom sees and the sires from Rowley, Newhouse and Harviestoun, particularly the Jangat Eric from Harviestoun, are doing all right on them. Anyone endeavoring to duplicate the twenty yearling heifers of the 1955 crop at Little Dean would have a job on his hands.

The one Scotch name Americans know best is Ballindalloch. It is the one they ask about most often and the one they are most interested in hearing about. The present owner of Ballindalloch, Sir Ewan Macpherson-Grant, succeeded to the property some 20 years ago and started to rebuild on the remnants of the old herd that was left him, including only a few of the old cows. It has been a slow, tedious climb but the Scots are patient and Sir Ewan is a good Scot! He is extremely keen and interested in every detail of the herd and its progress and is mighty close to having it restored

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to its oldtime position of prestige and glory, a point well indicated by the very fetching youngsters now in evidence there. Ballindalloch is moving carefully but quickly and straight to the top. There is no doubt about it—Ballindalloch is back in business and strong. There is a group of a dozen two-year-old heifers scheduled for the herd that are alike as peas in a pod, all by their herd sire Even Keel of Little Dean. It is said there is not a better bunch of heifers in all of Britain today. Their two-year-old Stype Playboy by Prince of Westdrums is a good one and certainly has about as good an opportunity to reach the heights as any young bull in Scotland with these beautiful daughters of Even Keel of Little Dean to work on. A visit to this historic shrine today gives one the impression that Ballindalloch will always be a great name in the very best Angus tradition.

Dean of Angus Breeders

For 58 years J. E. Kerr has bred Angus at Harviestoun. By popular acclaim he holds the honorary rank of dean of all Angus breeders. Kerr took his first bulls to Perth in 1900 and has never since missed being there with his entries in every annual show and sale down to date, his 1956 entry numbering 13 head. The Harviestoun herd contains about 40 brood cows and is noted for its Juana Ericas, Ericas and Prides, with every cow in the herd Harviestoun-bred for at least six generations and many of them more. Jemor Eric of Southburn heads this herd. All save one of this year's Perth entries were his sons and of his first crop, and they made the respectable average of \$3,000 per head, which is some indication of the merit as a breeder of this young sire. This Jemor Eric of Southburn takes the eye absolutely, with magnetic appeal and character to burn. Of all the bulls one might see in Scotland, he would be as apt as any to make an American reach for his checkbook!

The main business of these breeders is the production and sale of bulls. Most of them keep their cow herds young by adding the best of the heifer crop each year and they almost never sell the first cut off the top of these heifers, in fact, many of them keep the best of the heifers for their own herds and send the rest to the butcher, not even attempting to peddle the second-raters off on others.

Grain is scarce and high in price. The base of all the beef cattle rations is roughage in the form of turnips, straw, hay, and in recent years, grass silage. Small amounts of barley and oats are used for finishing steers and show cattle, but the main feed, even for them, is straw and turnips.

They are great admirers of hair and know how to grow it, receiving a large amount of cooperation, of course, from the cool, moist climate. Nevertheless, the coats of their cattle are free from any suggestion of harshness and give a remarkable touch under the hand.

There is always a lot of pro and con about their type. With no prejudice one way or the other, it seems fair to say

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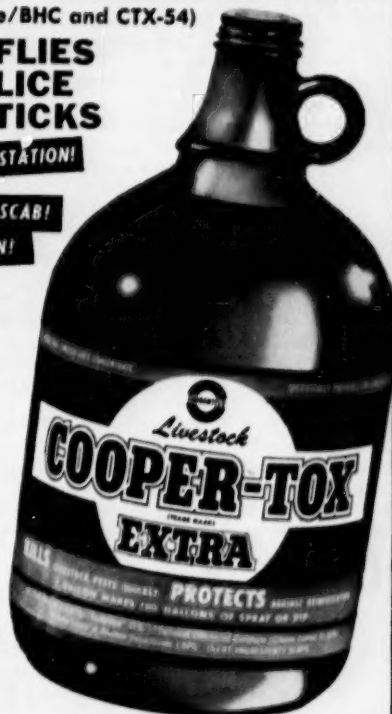
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their cattle possess a levelness of top and bottom and a symmetry that is all their own. The throats are cleaner, the heads carried higher and on longer necks, which makes them appear breezy and free. When all is said and done, they must not be too far from our own as several of our strongest show winners in late years have sported a dash of imported blood.

British Are Good Salesmen

The British are good salesmen. They know where and how to merchandise a good one, they put no pressure and waste little time promoting the lesser kinds. Over a long period of time there has been a patient, consistent policy of developing the country and its herds as a nursery for good breeding stock. Parallel to this has been the building of wide and sound outlets for their surplus cattle through the use of appropriate merchandising policies.

Sitting in the seats at the annual Perth sale every year will be a half-dozen men whose sole business is exporting bulls to Argentina, mostly, but to other parts of the world as well.

There is the big Perth event where 800 or 900 of their best bulls find a market every year. Then there are a dozen similar shows and sales scattered all over the "tight, little isle" of exactly the same kind but run on a smaller scale.

Speaking of sales, their auctions are run much differently from ours. They are utterly free of ballyhoo. Nobody talks or says anything, except the auc-



Calamity Jane, winner open cutting horse contest, Santa Rosa Roundup, owned and ridden by Judy Burton, Arlington, Texas.
—Cathey photo.

tioneer. All is quiet and serene, business-like. They are no ringmen. The auctioneer uses the amplifier only a very little, just enough to carry his voice to the back seats. There is no pressure, no confusion, no speeches, no pedigree discussion. The auctioneer speaks in his normal voice, never once raising the pitch of it above the conversational tone or volume. He calls the bid he has, repeating it in the clearest, most distinct manner. Everybody knows exactly and precisely what the bid is and what he is expected to bid if he wishes to raise the bid. Everybody knows where the bid is, as the auctioneer will

frequently say "My bid is down here in front of me" or "the bid is high in the seats to my right" or "it is over here on my left," and he will usually point his finger to the bidder. The name of the buyer is only casually and quietly given to the sale clerk. No need to make any special comment about this because everybody knows who he is anyway! Bids are made by lifting the catalog. If the auctioneer has any doubt about whether a person is bidding, he asks him, point-blank. There is no guessing on this.

Under the British auction law, every owner is entitled to one bid. This is commonly referred to or known as the "reserve" or the "reserve bid." It works like this: The owner usually follows his bull into the ring, goes over to the auction stand and leans with his elbow against the auctioneer's box while his bull is being bid on. Before the bidding starts, or anytime during the bidding, the owner may advise the amount of the "reserve" to the auctioneer. Or, if no reserve has been communicated to the auctioneer up to the point where the auctioneer thinks he has obtained all he is going to be able to get, the auctioneer turns to the owner and asks him if the bid meets the reserve. If the owner's answer is "no," the owner usually announces the reserve but he is not required to do so unless requested. If the owner's answer is "yes," the gavel goes down and the bull is sold. It will be noted that the gavel is never used until

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the moment the bull is sold or "knocked down," which phrase has its origin in this very custom.

Sell Their Bulls Fast

They start with number one in the catalog and go straight through it in numerical order—another feature which makes things easy to follow. Under their system, they sell very fast, usually at the rate of fifty to sixty an hour, right up to a bull a minute. At this year's Perth sale, about 800 bulls went through the ring, one at a time, in two short days for an average of \$1700, so there must not be too much wrong with their system. Perhaps a few characteristics of their auctions could be imported to America and put to good use!

The final question—how good are their cattle? Let it be put this way. They are different in certain fundamental respects. From that point on, suppose we let everyone be his own judge. Their cattle are somewhat lengthier, which gives them added weight and higher dressing percentages. The necks are slightly longer. They stand a trifle more up, which enables them to walk. They are not waddlers. They have a freedom of gait that is easy and graceful. Both Scotch and English breeders are afraid of and do not go for extremely short heads and extremely short necks because they associate these characteristics with faulty thyroid and other glandular malfunctioning which are suspected of carrying elements of danger and deformity.

For a hundred years their cattle have been designed to make their weight on cheap, coarse, rough feed under circumstances that provide a minimum of pampering and a maximum of austerity. This has contributed to their constitutional vigor and their tendency to thrive under hard conditions.

The quality and fineness of hair and skin is near perfection. The fleshing is smooth, deep and natural. The nipples of the udders are small and tapering, so a young calf can handle them, and there are a lot of other little refinements to be seen.

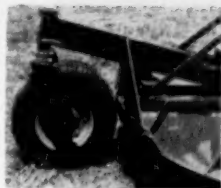
Whatever the differences, they are not great as compared to our cattle. If many of them were to be brought over here and dropped into our herds without chains around their necks, they could not be picked out by the casual observer.

Their cattle are bred to be reliable. It must be strongly emphasized that the Scotch breeder is conservative and constructive, with no tendency whatsoever to fall victim to fads, fancies and extremes. He has thought through a sound, valid reason, as he sees it, for every trait that he has bred or tried to breed into his cattle. On this basis, he claims recognition as a producer of practical cattle for practical cattlemen and there are many all over the globe who concede he has done a fair, good job of it and has cattle good enough to warrant the claim!

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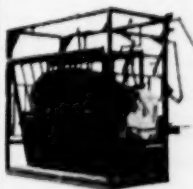
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Feed used for each pen	Grain 52¢ and up, Hulls 2¢ SOYBEAN MEAL and STILBESTROL 2¢ Alfalfa Meal, 10¢ Mineral.	Grain 52¢ and up, Hulls 2¢ SOYBEAN MEAL, 2¢ Alfalfa Meal, 10¢ Mineral.	Grain 52¢ and up, Hulls 2¢ COMMERCIAL BRAIN FEED 70% 2¢ Alfalfa Meal, 10¢ Mineral.
Cost Per Day	76c	74c	78c
Gain Per Day	2.95¢	2.7¢	2.84¢
Cost Per Pound of Gain	257¢	274¢	274¢

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J. P. Walker Disposes of Angus Valley Farms

THE GREATEST cash deal in the history of any cattle breed was consummated when Angus Valley Farms of Tulsa, Oklahoma, both the property and its famed Aberdeen-Angus breeding herd, were sold last month by J. P. Walker, president of National Tank Company of Tulsa, to seven Tulsa men for an undisclosed price. The new owners are John H. Williams, Charles P. Williams, David R. Williams, R. L. Buck, B. E. Barnes, Rowland D. Stanfield and Wilbur J. Holleman, also owners of Sieteco Ranch near Tulsa, who will be equal partners in the Angus Valley operation. All the purchasers are associates in the Williams Brothers Pipeline Company, pipeline contracting firm of which John H. Williams is president. Holleman, an attorney in private practice, serves as counsel for the company. More than 600 head of registered Angus cattle, with at least a dozen of the finest Angus bulls in existence, were included in the sale as well as over 1,000 acres of fertile land lying south of the Arkansas River. Walker said the reason he sold the farm was because he felt a group of younger men could keep it and operate it as one of the nation's top Angus breeding establishments over a long period of time and give a greater benefit to Oklahoma and the nation.

Among the top bulls included in the sale were Black Knight 95th of Angus Valley, an International Junior and Reserve Grand Champion; Prince of Red Gate 45th, Bardoliermere 2d of BeeMac, Black Knights 249th, 212th, 229th, 228th, 135th, and 138th of Angus Valley; also included is the famous Evermere T., the 1941 International Grand Champion female and foundress of the fabulous Evermere T. family, as well as four of her daughters and seven granddaughters and great-granddaughters. Her offspring have produced more than \$612,400 at public auction on forty-nine lots. Her top Evermere granddaughter sold for \$31,500 and the top Evermere bull for \$57,000. Sieteco Ranch will be merged with Angus Valley Farms, which will give Angus Valley Farms possibly the greatest collection of preferred and superior producing families in the world.

Big Spring Cowboy Reunion Reelects Tom Good

TOM GOOD, who has headed the Big Spring Cowboy Reunion and Rodeo Association since it was started nearly 25 years ago, was re-elected president of the organization at a meeting held recently. Other officers are: Marion M. Edwards and Charles Creighton, vice presidents; R. V. Middleton, treasurer; Toots Mansfield, Harry Lees and Gene O'Daniel, directors. E. P. Driver was renamed secretary.

The officers announced that the Big Spring Annual Rodeo will be held August 1-4.

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ABERDEEN-ANGUS

Popular Bloodlines, Desirable Quality,
Attractive Prices.

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TIPTON, OKLAHOMA

Aberdeen-Angus Transactions

Richard D. Back of McLean, Texas, purchased 18 cows and three bulls from George W. Graham, Wichita Falls, Texas.

Coleman Trust, Miami, Okla., sold two bulls to Gerald Garoutte, Miami; and one to Mareuriette E. Thompson, Wyandotte, Okla.

Dwight Ferguson Ranch, Woodward, Okla., sold two cows to Bill Grissom, Foss, Okla.; and one cow to Paul Schilberg, Bessie, Okla.

J. W. Moore, Alvin, Texas, purchased two cows and L. L. O'Bryan of Mukwon-

ago, Wise., purchased one cow from John W. Mecom, Hitchcock, Texas.

G. A. Persons, Bremond, Texas, recently purchased five cows and one bull from Bluff Valley Farm, Tehuacana, Texas.

Doug Mills, Texola, Okla., has purchased three bulls from George F. Saunders, McLean, Texas.

Charles F. Smith, Chickasha, Okla., purchased eight cows from Dellis V. Nelson, Goltry, Okla.

G P Z Angus Farms, Ada, Okla., sold two bulls to B & O Ranch, Stonewall, Okla., and a bull each to Allen Sweat,

Fitzhugh, Okla., and Lewis Stewart of Roff, Okla.

B. A. Roessler, Temple, Texas, purchased two cows and a bull from Frank A. Lehman, Lott, Texas.

F. L. and Ruth Steel, Boyd, Texas, bought six cows and a bull from C. E. and Lena Waggoner, also of Boyd.

H. M. Sneed, Est., Cameron, Texas, purchased four bulls from E. H. Austin, Bryan, Texas.

E. J. Pulaski, Houston, Texas, purchased 12 cows from C. Rumpy, also of Houston.

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He upgrades your calves . . . breeds the horns off . . . breeds your herd black. Better buy a black bull.

He's a bull . . . yes

but actually he's more than just a bull. He's a pace-setter of progress . . . a builder of better beef . . . a promise of pounds, price and profits.

If your cows are horned, he breeds 'em off your calves. And if your herd is red or white, he soon turns it black. But most important, he gets you a good calf from a grade cow to boost your beef profits.

You see, Angus bulls are famous for their prepotency. They pass on their many desirable characteristics to their offspring. And you know there's no better beef type than Angus. Your calves from a good Angus bull will not only weigh more at weaning, but will sell for more as feeders, or when finished for market. And your improved heifers will pay dividends for years to come. In 3 or 4 crosses with Angus bulls, you'll have a solid black, hornless herd of fine beef cows.

When you cross an Angus bull with your horned cows, at least 95% of the calves will be dehorned. You'll have no dehorning problem . . . no maggots . . . no infestation. What's more, you'll have virtually no trouble from cancer eye or pinkeye when your calves are from an Angus bull.

Bill Faudree 117 South Lorraine Midland, Texas	Beefmakers C. E. Reed 4114 E. Central Ave. Wichita, Kansas	Penner Angus Ranch C. E. Penner & Dwaine E. Penner Mill Creek, Okla.	Higginbotham Cattle Co. 914 Jackson St., Dallas, Tex. Star Rt. 1, Seminole, Tex.	Plum Creek Angus Farm Registered Angus Cattle M. K. Berry, Owner Vernon, Texas
★	B Bar Ranch W. W. Zwerschke & Sons, Owners Star Route, Seadrift, Texas Box 176, Port Lavaca, Texas	Hill Pasture Farms L. R. Ward, Owner 3009 Canton St. Dallas, Texas Farm: Route 3, Royse City, Texas	Thornton's W R Ranch Argyle, Texas U. S. Highway 377 J. D. Kyle, Mgr. Ph. Roanoke, Texas, 2756	★

YOU CAN BUY ANGUS BULLS TO FIT YOUR NEEDS AND FOUNDATION ANGUS FEMALES FROM THESE BREEDERS

Turning Feed Into Beef

Research Being Carried On By ARS Researchers In Montana Means Better Quality, More Efficient Cattle

Reprinted from Agricultural Research, U. S. D. A.

RAPID gains and increased ability to convert feed to high-quality beef on the range or in the feedlot are results of research underway at the United States Range Livestock Experiment Station, Miles City, Mont.

ARS researchers, in cooperation with the Montana experiment station, are following a program of inbreeding and continuous production testing to determine their progress.

Selection and line breeding over a period of 20 years has enabled researchers to increase the average performance level of many of the desirable characteristics that make for efficient beef production in individual animals or specific lines of cattle.

A 10-year comparison of steers, sired at the station by a single line of inbred bulls, stands out as an example of the degree to which such characteristics can be improved.

Four groups of steers, started in the feedlot at weaning weights averaging 442 pounds, gained an average of 1.99 pounds daily, weighed 904 pounds out of the feedlot, and at 586 pounds of grain

for each 100 pounds of gain. Ten years later, another group of steers sired by a bull of the same inbred line was checked. They averaged 456 pounds at weaning, gained 2.48 pounds daily, weighed 1,064 pounds out of the feedlot, and used 593 pounds of grain for each 100 pounds of weight put on.

Fed Same Length of Time

In both cases, the steers were calved in April, weaned in October, and fed for the same length of time on the same rations. The daily gain for the latter group was 25 percent greater and the final weight 160 pounds more per steer. The slightly greater quantity of feed used by the latter group of animals is chargeable to the usual reduced feed efficiency that develops in cattle as fattening increases.

Breeding work began at the station in 1934. Since then, 11 lines have been established and maintained, 3 others having been discarded because of undesirable characteristics.

Production tests of the lines retained are made in two ways as the work progresses. Potential sires are tested for

their gaining ability and feed efficiency, and those selected are bred to grade cows. A random sample of each sire's progeny is likewise tested. Steer calves are raised to about 15 months, when evaluations are made as to the merits of each animal—alive and in the carcass. These evaluations reflect for or against the herd sires in each experimental line.

Each of the 11 lines of purebred Herefords represents a closed herd in which no outside blood is introduced once a line becomes established. A herd sire in any line is replaced only when his production record (sire index) is surpassed by that of a younger sire of the same line.

Production tests of sires and progeny have served to prove the high degree of heritability of the ability to gain. Sire and steer records of gain have been strikingly similar.

In feeding tests one year, for example, a line-10 bull ranked first among 7 being tested, with a gain just short of 3 pounds a day. Steers from the same bull also ranked first the following year, their daily gain averaging 2.66 pounds. In no case were progeny better or worse than their sires by more than one rank.

Research at Miles City is also directed toward developing at least two other important characteristics aside from the ability to gain and use feed efficiently. These are milking ability and carcass quality of the stock.

Like ability to gain, neither of these characteristics can be judged accurately

Announcing

THE PURCHASE OF ONE HALF INTEREST IN EILEENMERE 1600th

**Owned Jointly with J. Garrett Tolan Farms,
Pleasant Plains, Ill.**



EILEENMERE 1600th
(Family: Tolan Blackcap Missie)

We consider ourselves quite fortunate in being able to become a one-half owner of the "1600th," and to add this outstanding son of the immortal "500th" to our already strong Herd Bull Battery.


We liked the "1600th" when we first saw him and after seeing some of his calves, thought even more of him.

All of our Herd Sires' pedigrees are studded with International Grand Champions, both males and females. We are using these Bulls on a herd of outstanding cows.


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FOR USE ON ALL LIVESTOCK

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by selecting animals for thickness of fleshing, body type, and uniformity. These factors have been emphasized in the past and are still useful in selecting for desirable characteristics. Much improvement can be attributed to their use. But they don't tell the whole story.

Milking Ability Important

Milking ability is as important in beef cattle as in dairy cattle. Production testing helps to determine the adjustment that should be made, up or down, through breeding and selection to reach an optimum. Heavy production of milk in a range cow is about as undesirable as too little production because it frequently results in damage to part of the animal's udder.

The big test of breeding work comes in carcass studies of the individual progeny of breeding stock. These studies determine the actual quality of the beef produced—meat in relation to fat and bone, size of the eye muscle and the length and breadth of the loin, marbling of the lean with fat, and all the other quality factors that cannot be accurately determined by the examination of live cattle.

This research has served not only to bring out the more desirable characteristics but also to reveal and eliminate many of the undesirable characteristics in some lines.

Breeding work at Miles City has pointed up the need to start with topnotch foundation stock and continue with careful, continuous culling of animals to obtain the best results.

American Royal Dates Set For October 20-28

THE 1956 American Royal Livestock and Horse Show will be held in Kansas City October 20-28, J. B. Dillingham, vice president in charge of livestock, has announced.

Royal officials point to this show as the largest combination Livestock and Horse Show held annually in the United States. This year the show is scheduled for nine days. Formerly the event ran for an eight day period.

Highlighting the livestock show will be the auction sale of reserve and grand champion steers and the F.F.A. and 4-H Club open class fat steers, Wednesday morning, October 24.

Another principal event will be the sale of carlot fat and feeder cattle on Thursday, October 25.

Judging of the championship stock to be sold at these auctions will be at noon on Monday, October 22 in the Royal arena.

Last year 4,088 head of livestock were shown, including cattle, 4-H Club calves, fat feeder calves, carlots, junior heifers, hogs, sheep, mules and fleeces of wool. Over \$125,000 was awarded in cash prizes, trophies and ribbons, and entries were received from 19 states representing 1,063 livestock exhibitors.

All progressive cattlemen read

The Cattleman

Announcing . . .

the addition of

Prince of Red Gate 104th

to our Herd Bull Battery

We feel very fortunate in making the successful bid of \$4,800 at the recent Red Gate Farm sale to secure this good son of Imp. Prince of Rowley, out of an Erica Eileen cow by Eventuator of Red Gate.

We believe, with the addition of this young bull, plus the proven service of Black Peer 2d of 77, we will have one of the strongest herd bull batteries in the state.

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410 East Weatherford, Fort Worth



Desirable grasses grow around the outside and within prickly pear plants. Deferred grazing after taking control measures give grasses a chance for a rapid comeback.

Value of Pricklypear Can Be Misleading

Sound Grazing and Range Management Operation Cannot Be Based on Utilization of Pricklypear

By GARLYN O. HOFFMAN*

ANY Texas ranchman can grow pricklypear on his ranch. But why are so many ranchmen growing pricklypear instead of good native grasses? Do they prefer pricklypear to other feeds as a roughage reserve or have most of them been forced to feed pricklypear as a result of drouth and overgrazing?

Normally, pricklypear cannot invade and compete for water and soil nutrients with a dense stand of native grasses in good condition. All forms of pricklypear can infest rangeland rapidly when the grass cover is greatly reduced. Once drouth and overgrazing has reduced the grass cover, pricklypear finds itself at home. A pricklypear plant lives by its unique ability to store water in the flattened fleshy stems. The spines protect the plant from grazing animals. This water reserve and protection enables the plants to withstand long periods of drouth and

heavy grazing pressure.

Some authorities list up to 24 species of pricklypear that grow in Texas. One or more species is present in almost every vegetative region. The most common and widespread kinds of pricklypear known to Texas ranchmen are Engelmann, *Opuntia engelmanni*, Nopal, *O. lindheimeri*, and Plains, *O. polyacantha*. These pricklypear, used for live-stock feeding during drouth and other emergency periods, have been used most widely to check chemical control measures.

Burning Pear

When stockmen use pricklypear as a supplemental roughage the spines should be burned enough to prevent injury to the animal's mouth. Pricklypear, when burned properly, is relished by cattle and sheep, but stock refuse to eat the plants if they are burned excessively. During the current drouth, stockmen have used burned pricklypear to supply much of the needed forage to maintain their foun-

*Range Specialist, Texas Agricultural Extension Service.



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our partners in
"black peer 249"

Paul Fomby-Farm Manager • Mr. and Mrs. Edward Marcus-Owners • Bob Rheudasil-Livestock Manager

Pump Handle Pete Says:



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Uncle Ezra says when you invest in a going concern make sure which way it's going.

That's pretty smart advice for you folks who are investing money in a water well pump jack, too. Make sure you get a jack engineered to produce all the water you need—when you need it—at low cost. That means a JENSEN JACK—naturally!



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All progressive cattlemen read

The Cattleman



OUR SENIOR HERD SIRE

Black Peer of Red Oak 39th

He is by Black Peer 34th of Angus Valley and out of Imp. Gerana of Gallowhill, she by Jago Eric.

He is siring some good calves. See them in our show string and stop by our stalls at the shows and look them over. You are always welcome to see them at the farm.



ASSISTING THE 39TH IS

RED OAK EILEENMERE 1701763—by Homeplace Eileenmere 26th and he by the "487th." He is out of a Bandalier dam. We have 10 calves on the ground at present by this bull and they look good to us.



COMING SOON

To assist these two good bulls is IMPORTED PRINCE OF ROWLEY 2d.

He is by Great James of Rowley and out of Pretty Pride of Gaidrew. He is out of the same cow as Red Gate Farms Prince of Rowley who established quite a record in that herd. Two other sons of this cow are in service in the Firpo herd in the Argentine.

This bull is owned jointly with Byron Stout Jr. & Son of Wichita, Kansas. Byron, Chester and Joe Lee were at the Perth Show and sale in Feb. and personally selected this bull when he was just 10 months old.

RED OAK FARMS

ROCKY COMFORT, MISSOURI

Chester and Crystal Davidson, Owners

G. E. Goostree, Mgr.



SPOHN'S COMPOUND

for COUGHS due to COLDS

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dation stock. In some areas cattle are concentrated on stands of pricklypear. The pricklypear is then progressively burned with livestock utilizing the plants in place; however, concentrated feeds should be supplied to provide a maintenance ration. Under this type of management, cattle in good condition are expected to lose body weight, but cattle in poor condition may gain slightly.

At the Sonora Experiment Station, a daily feeding of 11½ pounds of burned and chopped pricklypear, ½ pound of cottonseed meal and ½ pound of alfalfa hay proved a satisfactory emergency ration for sheep. In some Rio Grande Plains counties, dairymen are leasing pricklypear pastures, and using it as a roughage supplemented with 11 to 13 pounds of concentrate per day. The pricklypear is burned, hauled in trucks, and fed to cows as roughage at a cost of about \$11 per ton. Dairy cattle are allowed as much pricklypear as they can utilize during a day. The dairymen reported that the total milk production and butterfat content was as high or higher than when they were using drouth relief hay as a roughage. Pricklypear fed in large quantities alone acts as a laxative and should be supplemented with dry roughage or hay. Pricklypear is not as desirable a livestock feed in early spring as it is in winter after the new pads have reached maturity.

If it can be avoided ranchmen should not rely upon pricklypear to pull them through emergency periods. Ranges should normally be stocked to maintain a forage reserve without it, because a sound grazing and range management operation cannot be based on the utilization of pricklypear. Otherwise, it's a sure indication the range is overgrazed and is going downhill with erosion and poor plant cover in store for the future.

Pricklypear has advantages and disadvantages as a range plant. Some advantages are that it can be used as an emergency livestock feed during winter and drouth, it offers protection to better range grasses to survive and produce seed when rangeland is in poor condition, and it gives protection for beneficial, small wildlife.

Some disadvantages are that pricklypear does not provide a complete maintenance ration like our native grasses, the total grass production is reduced by pricklypear plants, and after burning is stopped, livestock may continue to eat pricklypear with spines which results in external and internal injuries. Such injuries may cause screw-worm attacks which are costly in any livestock operation, other disadvantages are that livestock are more difficult to age, and it provides protection for gophers and rats which are detrimental and reduce the stand of native range grasses.

Pricklypear can easily be controlled by grubbing and piling, or by spraying with chemicals. Cutting the main root 2 to 4 inches below the soil surface and piling is very effective. Pricklypear in piles decays rapidly. The outermost plants of the pile that are in contact

Breeders report excellent results from advertising in *The Cattleman*.

with the soil may take root and start new growth, and these live plants should be re-grubbed and piled to prevent re-infestation. Grubbing and piling is usually done on a contract basis at cost ranging upward from \$3 per acre. Some stockmen burn pricklypear during short grass seasons allowing livestock to consume as much of the plant as possible, then grub the remaining fibrous trunks.

Hormone-type herbicides such as a 1 per cent solution of 2,4,5-T or Silvex and diesel oil are most effective for pricklypear control when applied during the hot summer months. (Dormant season applications of chemicals are not consistent and are not recommended.) Both sides of the pads and the trunks of the plants should be thoroughly sprayed to obtain good results, using hand-type or power sprayers. A water-oil emulsion can be used effectively in power sprayers if kept agitated, and will usually reduce the total cost as compared with oil when treating large acreages. The spray pressure should be 25 to 40 pounds and the nozzle should deliver large size droplets. Chemical control costs range from \$2.50 per acre and up.

Comparing Costs

In comparing costs, grubbing and piling costs are about half that for chemical application. The cost of control depends upon the density and size of the pricklypear and the operator's technique.

Control of pricklypear without following good range management practices usually does not pay. When pricklypear is controlled, deferred grazing gives the better range grasses a chance to re-establish themselves before normal grazing is allowed. Balancing the stocking rate with forage production prolongs the effects of control measures.

American Meat Institute Will Celebrate Golden Anniversary

FIFTY years of progress in the meat packing industry will be the theme for its Golden Anniversary Annual Meeting this year, the American Meat Institute announces.

The meat industry trade association, which represents 85 per cent of the commercial meat packing business of the United States, held its first meeting on October 1, 1906, in the Grand Pacific Hotel in Chicago.

This year's meeting will run from September 28 through October 2, and will be held at the Palmer House in Chicago. Even higher attendance is anticipated than last year's record.

A program of special events marking the anniversary will lead off on Friday and Saturday (September 28 and 29) with technical sessions. The Annual Dinner will take place Monday night, October 1, at the Conrad Hilton Hotel.

In conjunction with the meeting, an equipment and materials exhibit will be at the Palmer House also to demonstrate the future of the meat packing industry as related to the past.

The Tradition of Quality!

Matching Shirt Trio, exclusive washable fabric, tailored for handsome fit, authentically Western styled. One of the many Western Shirts, Stockman's Suits, Pants, and Jackets, for men, women, and children, at your local dealer.



FREE Booklet "Rodeo—the Spirit of the West" interesting facts and newest H BAR C styles. At your local dealer or write direct:

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LOOK!

Here is the screwworm smear you stockmen have been asking for. Pink Lady Screwworm Smear is an ALL in ONE preparation.

Pink Lady is a specially prepared formula designed to:

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Why take chances with screwworm smears of lesser qualities? Look for the bottle with the bright red and blue label.

Get Pink Lady Screwworm Smear and see the difference.

SEE YOUR LOCAL DEALER
OR WRITE



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All Progressive Ranchmen Read *The Cattleman*.

San Antonio Aberdeen - Angus Stocker-Feeder Sale August 23

A SPECIAL Aberdeen-Angus and Black Baldface Show and Sale will be held August 23, 1956. This sale will be sponsored by the Texas Aberdeen-Angus Association in cooperation with the commission companies and the Union Stock Yards, San Antonio.

This big market day sale will be conducted in a similar manner to other successful sales at major markets. The plan offers producers in Texas an excellent opportunity to display and sell quality calves in uniform lots. Entries of range-conditioned steers and heifers will be consigned, shown, judged and sold in groups of 10, 20 and carload lots of 40 head. Special awards will be made to champion pen of steers and similar lots of heifers selected by the judges in each group.

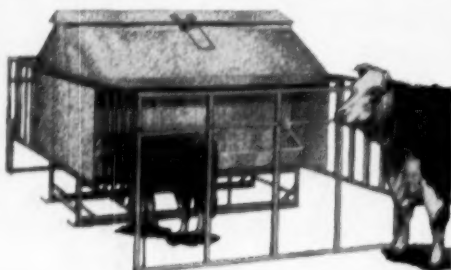


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SAVES TIME AND WORK

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HEAVIER WEANING WEIGHT

Holds 30 bu. of feed—takes care of 40 calves. Designed to keep feed in hopper dry regardless of weather—no spoilage. One inch angle iron stalls keep out larger cattle. Stalls raise up and ride on canopy for easy towing through gates. Anchors solidly at all four corners—stays put.



Hopper and trough of heavy, rust-resisting Armco Zincgrip. Sturdy steel skids. Shipped knocked down to save freight. Easily assembled. ADAPTABLE FOR LAMBS with inexpensive conversion kit.

Write for literature and prices

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4-B ANGUS RANCH

In the Beautiful
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We are proud of our outstanding bulls—

● MURCHISON PRINCE 249

Sired by: Prince Sunbeam 249, International Grand Champion 1948

● ROYAL ESSAR 50

Sired by: Prince Sunbeam 328

● BLACK KNIGHT OF 4B

Sired by: Black Knight of 181 A V

● EILEENMERE OF 4B

Grandson of Eileenmere 500

We have several outstanding heifers bred to these top bulls for sale at the ranch.

Owner
MARVIN BROWDER
Fort Worth, Texas

Herdsman
BILL WILKIE
Stonewall, Texas

INTRODUCING... A NEW HERD BULL AT CEDAR HILL

We are impressed with our young bull, O'Bardoliermere 66th (owned jointly with Stoneybroke ranch) and are putting him into heavy service. The 66th was purchased at private treaty from Ohio State University at the side of his mother, Effileen of Red Top, some time ago. His sire is O'Bardoliermere 2, and we are expecting great things from him.



CEDAR HILL RANCH

REGISTERED ABERDEEN-ANGUS CATTLE

CEDAR HILL, TEXAS



Also, several sets of place ribbons will be awarded.

Producers can show in one or more groups of steer or heifer classes for judging and special awards. Other cattle and calves can be consigned for this special sales day in addition to show entries. Buyers will be able to purchase any number and quality of calves they need. Regular order buyers, with nationwide trade, feed lot operators, farmers and ranchmen plus packers will be on hand to buy selections to fit their requirements.

Entry and information forms on this Aberdeen-Angus Market Sale Day will be mailed soon and requests for copies can be made to anyone of the commission firms on Union Stock Yards, care of P. O. Drawer 800, San Antonio 6, Texas, or to Glenn L. Tole, Secretary-Treasurer and Fieldman, Texas Aberdeen-Angus Association, Livestock Exchange Building, Fort Worth, Texas.

Masterson's Angus Carry On

(Continued from Page 30)

his irrigation system to finish out his calf crop for slaughter in feed lots to be located on the ranch.

Masterson has found that the use of a small airplane is vital to his extensive ranching operation in many ways. During roundup he easily locates his cattle by air and relays instructions to his cowboys on the ground through loud speakers attached to the wings. He has become fairly accurate in the shooting of coyotes and other varmints with a 12-gauge shot gun that is mounted between the wheels of the plane and is lined up with a sighting device on the engine covering. The use of modern equipment and new ideas is as much a part of Masterson's operations as Angus cattle.

Still Improving His Cow Herd

However, the constant improvement of his cow herd is still the most important part of his plan and the primary reason for other improvements and experiments being carried out on the ranch. The remarkable record established by his Angus steers fed at Aledo is proof that his beef improvement plan is paying off. Here is their record. They weighed 468 pounds when put on feed and 924 pounds when sold, for a gain of 376 pounds for the 160-day feeding period. They maintained an outstanding gain per day of 2.43 pounds on the standard feed ration fed by the Aledo Feed Yards. They showed an efficiency of gain, or conversion ration, of nine pounds of dry feed necessary for one pound of gain. Another interesting fact is that these steers were cutbacks from Masterson's calf crop when sold to Northern feeders earlier this year. By compiling such a record on feed with the lowest quality of his calf crop, it is evident that Masterson has reached a level of high quality in his herd, however, he is not satisfied and continues to improve every phase of his cow operation. This in itself is the story of Bob Masterson's ranch and the reason why "Blacks have kept him in the black" through lean and dry years.



New Headquarters of the American Aberdeen-Angus Association in St. Joseph, Mo.

National Angus Association to Open New Home June 25

OPERATIONS will begin in the American Angus Association's new national headquarters at St. Joseph, Mo., on Monday, June 25, announces Frank Richards, secretary.

When the doors of the \$350,000 office building open that morning it will be the first time employees will have been able to transact association business from

a permanent home of their own. The national organization, whose main function is the registration and promotion of Aberdeen-Angus beef cattle in America, was founded in 1883. Since 1902 it has occupied offices in the Stock Yard area of Chicago.

The modern, red brick building has gone up on a wide boulevard in an outer

residential area of the northwest Missouri city. The five-acre tract of ground on which it has been built was donated by St. Joseph business and professional men.

Designed and built by local firms, the building is 123 feet by 127 feet with a full basement. The exterior is of face brick with a trim of Indiana limestone.

NOW HEADING OUR HERD

WE ARE PLANNING TO BREED GREGORY TO SOME TOP DAUGHTERS OF SHADOW ISLE PRINCE ERIC 227th, WHICH WE PURCHASED IN THE SHADOW ISLE DISPERSION SALE.

THE "227th" IS DOING A GREAT JOB FOR US AND WE ARE EXPECTING SOME TOP OUTCROSS CALVES FROM THIS MATING.



*We invite you to visit us at the ranch,
Briggs, Texas, near Austin.*



GREGORY OF AULDICH

This great imported Scotch bull comes to us from the good herd of James C. Tucker & Son, Del Valle, Texas. Gregory compiled an outstanding show record in Scotland where he was Reserve Champion of the Aberdeen Show.

1200
Red River

TRAVIS LaRUE

Austin,
Texas

Staggs

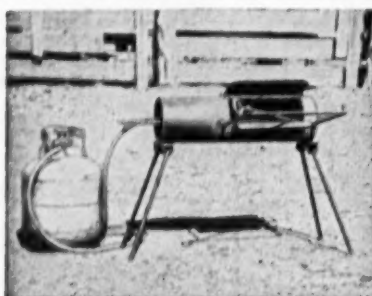
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USED IN ALL STOCK RAISING STATES AND FOREIGN COUNTRIES Simple and efficient in operation. No danger of injuries or ground infection. Drop door and removable body bars expose all parts of the animal, for dehorning, castrating and all other operations.



Steel Construction. Electrically Welded. Standard Rights and Lefts — \$150.00. Reversible that can be used for either side branding—\$165.00.



STAGGS

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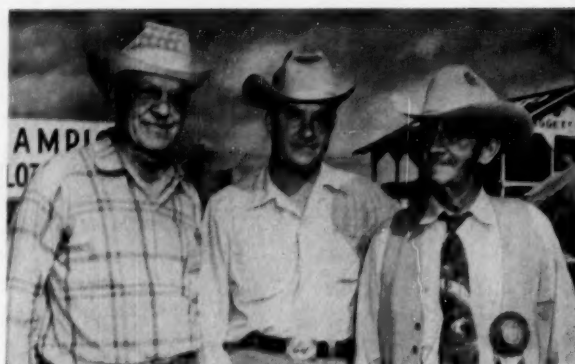
HENRIETTA, TEXAS

Box 163

Phone 375

Big Shipment of Cattle From Waggoner Estate

W. L. Pier, left, general manager of the Fort Worth Stockyards, John Biggs, manager of the W. T. Waggoner Estate and Tony Hazelwood, foreman, are shown on the Stockyards May 11 when Waggoner's sold about 2,000 head of cattle in a stocker-feeder sale. It was the largest shipment to Fort Worth from one ranch in recent times.



Interior walls have been finished in light green structural glazed tile, except for private offices, while floors are of reinforced concrete covered with asphalt tile in gray tones.

All of the work of registering and transferring cattle and record keeping, as well as the extensive IBM operation recently put into use will be centralized in a large work area on the main floor. Private offices will be occupied by the officers of the association, the public relations department and the accounting department. A modern kitchen and large recreation room have been built in the basement, as well as facilities for mailing operations, heating and air conditioning units, and large storage areas.

The Chicago offices will close officially on Friday, June 15. The following week will be spent in transferring equipment, office furnishings, and records to the new location. Business will begin with a nucleus of about 75 employees hired from the St. Joseph area. The association ordinarily employs about 110 persons in the office. It's expected that this number will have been filled within the first month of operations.

Eighteen officers and employees will accompany the association from Chicago to St. Joseph. About half this number expect to make the Missouri River city their permanent home, while the remainder will temporarily assist in the training of new office help.

Dedication of the new headquarters will take place on Friday, June 29, in connection with an open house to be held from 10 a. m. until 8 p. m. that day. All members of the association, Aberdeen-Angus breeders as well as the general public are cordially invited to attend these two events.

Range Supplements to Be Tested

A RECENTLY made grant-in-aid to the Texas Agricultural Experiment Station by the Southwestern Sugar and Molasses Company of New York City will enable members of the Animal Husbandry Department of the Texas A. & M. College System to con-

duct research for two years on supplements for range feeding of livestock.

In making the announcement of the \$10,000 grant, Station Director R. D. Lewis said that Dr. J. C. Miller, head, Animal Husbandry Department, would supervise the studies. Professors John K. Riggs, T. D. Watkins and W. T. Berry, Jr., will be actively engaged in conducting and supervising the studies at College Station and those planned for the field.

Tests will include both cattle and sheep and initial studies now under way are designed to determine rates of consumption under varying conditions. Both urea-molasses and roughage are being self-fed to cattle and sheep.

In general the objectives of the tests are to evaluate urea-molasses as a protein supplement for both sheep and cattle especially as it applies to the utilization of low quality roughages, principally native pastures. The project leaders point out that the feeding of protein supplement becomes a job of considerable importance from both the financial and labor viewpoints. Saving in both may be made if another protein supplement source can be utilized and self-fed.

Checks also are to be made on the effects of high intake of urea-molasses on the well-being of the animals, utilization of rations, effects of the self-fed supplement on percentage of calf or lamb crop, weaning weight of calves and lambs and the general condition of the mother animals including milk production. This information will come from detailed and controlled experiments and supervised field tests.

Berry said it is hoped the field tests will involve a minimum of 150 head of cattle including groups of breeding and or steers or heifers. The breeding cattle will be followed through two winter seasons.

The sheep tests will include two co-operators providing breeding animals for the wintering studies.

Breeders Report Excellent Results
from Advertising in
The Cattleman

Hereford Association Inaugurates Junior Program

A SEVENTEEN-year-old daughter of a veteran Hereford family in the Flint Hills of Kansas has been awarded the American Hereford Association's Junior Membership No. 1.

She is Shirley Ann McIntyre, daughter of Mr. and Mrs. Raymond McIntyre, who are running 120 Hereford cows on their ranch 10 miles west of Howard.

Paul Swaffar, secretary of the American Hereford Association, made the presentation of Membership No. 1 to Shirley Ann at their ranch, which covers 800 acres plus a lease of 1,200 acres. The presentation marked the inauguration of the Hereford Association's new junior membership program designed to assist junior feeders in both heifer and steer projects.

Shirley represents the third generation of Hereford breeders in the McIntyre family, and she is depending upon her Herefords to send her through an agricultural college. She is now enrolled as a junior in the Howard High School.

The McIntyre ranch was founded by Shirley's grandfather, James L., in 1902 and is now being run by her father and his brother, Albert, on the southern portion of the Bluestem-covered Flint Hills.

Shirley started her Hereford heifer feeding project when she was 8 years old, during her first year in 4-H. She has shown her heifers every year since and placed either first or second in class

Paul Swaffar, Secretary of the American Hereford Association, is shown here presenting the Association's Junior Membership No. 1 to 17-year-old Shirley Ann McIntyre of Howard, Kansas. — (Photo by American Hereford Association.)



each time. She was named an Elk County 4-H delegate as a county achievement winner to the American Royal Livestock Show in Kansas City last fall. She won the Elk County beef champion award when she was 10 years old, and she modestly explains that "it was the Herefords that gave me these awards."

More Electricity Used On Farms

FIGURES just released by the Crop Reporting Board, based on reports from 22,000 farmers throughout the country, show that an average of 385

kilowatt hours of electricity were used per farm with central station service in July 1955. This compares with 363 kwh in July of the previous year and with 227 for the July 1947-52 average. An estimated total of 1.7 billion kwh were used on farms in July 1955. This increased use of electricity resulted in a record high average monthly electric bill and a record low average cost per kwh paid by farmers, according to the survey which further shows that the cost per kwh ranged from a high of 3.5 cents in the West North Central States to 1.8 cents in the Pacific Region.

All - Female Sale

CONSIGNORS

Sawyer Hereford Farm	Cherokee
Ernest Priess & Son	Mason
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A. L. Baethge	Fredericksburg
Nolan Donop	Mason
Schmidt Hereford Ranch	Mason
Kenneth Maner	Harper
Feller Hereford Farm	Fredericksburg
Edward Stein	Fredericksburg
T. O. Reardon & Son	Mason
E. W. Kothmann & Son	Mason
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L. E. Kothmann	Art
Gordon Grote	Katemcy
M. R. Duderstadt	Harper
J. E. Epperson	Cherokee

Auctioneer - Walter Britten
The Cattleman - George Kleier

MASON, TEXAS - JUNE 12th 100 LOTS

40 Cows with Calves, most rebred
60 Bred and Open Heifers
featuring

FAMOUS HILL COUNTRY QUALITY

- Some will be sold singly, some in groups.
- All tested, ready to ship into any state.
- Sale starts at 12:00 noon.
- Lunch will be served on the grounds, 11:00 A. M.
- Each consignor guarantees every animal he sells, which is of breeding age on the day of the sale, to be a breeding animal.
- Sale to be held at Mason Sales Co. Arena located one-half mile east of Mason on Highway 29.

HILL COUNTRY HEREFORD ASS'N

Write for Catalog—
J. D. JORDAN, Secretary

Mason, Texas



J. F. JONES
& SONS'

TWIN OAKS



SELLS JUNE 23



TR ZATO HEIR the great Register of Merit sire and the grandsire of Larry's Heir 2nd, the good three-year-old proven sire that sells. His get and service sell.



HCR SUPER LARRY 7th

This proven son of the \$160,000 MW Larry Domino 107th sells. He is six years old and very active . . . a real opportunity to buy a top proven sire.

The entire herd is of good ages—all have been good producers and carefully selected from outstanding herds either at private treaty or their sales. They are descendants of such famous bulls as TR Zato Heir, Prince Domino Return, Real Domino 51st, Baca R Domino 33rd, Larry Domino 50th, CW Prince Domino 21st, WHR Royal Triumph, Real Prince Domino, WHR Proud Mixer 21st and other top sires.

We did not let price stop us from selecting what we felt was a top individual when we were buying females or herd sires for our herd—here is a chance to buy at your own price your choice of this select herd.

Plan to be With Us

Walter Britten, Auctioneer

George Kleier for THE CATTLEMAN

For Catalog and Reservations

Write: J. F. JONES & SONS, Owners

A few of the cows and calves selling.



TWIN OAKS

RANCH DISPERSION

AT THE RANCH 6 MILES NORTH ON HIGHWAY 19



Palestine, Texas

SATURDAY JUNE 23 - 1:00 P.M.



HCR MISS LARRY MIXER 1st

A daughter of the Register of Merit MW Larry Domino 83rd. Sells with heifer calf at side by Larry's Heir 2nd and rebred to the same sire.

THIS EQUIPMENT SELLS

Super C Farmall Tractor, International Power take off mower, 8 foot Tandum Disc, 8 Foot Easy Flow Fertilizer and Seeder, 10 ft. steel tooth harrow, 100 gallon, 400 lbs. pressure John Bean spray, 1-4 wheel rubber tire wagon, 1-2 wheel stock trailer and a number of items and tools usually found on a stock ranch. A fifty-five hundred dollar irrigation system that puts out 800 gallons of water per minute and has 1,800 ft. of 5-inch aluminum pipe with all the elbows, tees and stops necessary that you can put anywhere you want it. A sixteen hundred dollar Chrysler engine pump, mounted on a two-wheel trailer enabling you to move it easily and conveniently.

RANCH

**Palestine,
Texas**

SELLING 80 HEAD

- **7 BULLS ..** including two proven sires, three serviceable age bulls and two yearlings.
- **25 COWS..** Practically all rebred.
WITH CALVES
- **13 COWS ..** to calve soon.
- **10 HEIFERS** Bred and Open

ALSO 5 TOP NURSE COWS

*You can make your choice from top females like these
June 23*



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BURDIZZO

**THE ONE AND ONLY BLOODLESS
CASTRATOR**

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Eliminates blowflies, shock, weight loss and infection. Rigid, smooth working. No wounds. Can be used in any weather.

Non-Sinkable Water Trough Floats



Tough floats that will not rust, rot or corrode. Material developed during the war to support floating mines. We have sold them all over the United States.

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Up to 1" Valve \$3.50

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Sm. Med. Lg.



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In the Country

Kallison's Ranch,
Breeder of Registered Polled Herefords

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SAN ANTONIO, TEXAS

J. D. SHAY

REFUGIO, TEXAS
Polled Herefords for Sale
Largest herd of Polled Herefords in South Texas

N. M. MITCHELL

Polled Herefords
SANDERSON — TEXAS
Visitors Welcome

WINKEL'S POLLED HEREFORD RANCH

Herd Sires

WPHR Domestic W. Domestic W 26, Domestic W 47, WPHR Domestic M 39, WPHR Advance Domestic W. All sons and grandsons of Essar Domestic W.

J. W. Winkel — R. F. Winkel
LLANO, TEXAS

50 Members of the
SOUTH TEXAS
Polled Hereford Association
HAVE FOR SALE—BULLS, COWS, HEIFERS

Write
GILBERT FALBO, Sec'y
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Choose from the produce of 300 choice Polled Hereford cows—championship bloodlines—grand champion winning herd sires.

THE W. R. JOHNSON POLLED HEREFORD RANCH

Gladys A. Johnson, Owner
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The Oldest Registered Polled Hereford Herd in Texas

When you need quality Polled Herefords come by and see the good calves we can offer you. Our herd is made up of 200 brood cows of Choice Domino, Mischief, Super Domino, Bonnie Domino and Anxiety bloodlines. Our herd bulls are Mill Iron C182, GHR Royal Mesa, GHR Mesa Domino 40th and SD Mello Rollo.

We would like to show you the outstanding group of calves we have.
You are always welcome to visit us.

STEINER VALLEY RANCH ★

WHITNEY, TEXAS

Ted O'Neil, Mgr

Established 1913

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Promoting Cattlemen's Interests

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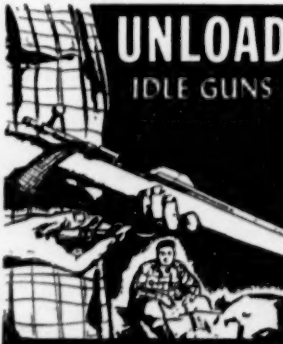


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IDLE GUNS



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2

PREVENT FOREST AND GRASS FIRES

Bowen Hereford Dispersion

SUMMARY		
14½ Bulls	\$ 6,030.00; Avg.	\$417
77 Females	18,327.50; Avg.	239
91½ Head	24,357.50; Avg.	266

THE dispersion of Bowen Herefords was held at the farm west of Coleman, Texas, on May 12, with the offering going to buyers in the state and at reasonable prices.

Top of the sale was a one-half interest in M Zato Heir 40th that sold to Ross Newton, Cross Cut, Texas, for \$1,700. He was a May 1953 son of TR Zato Heir 27th and there were several calves in the sale to prove his good siring ability.

Ross Newton also purchased the second top of the sale when he selected M Zato Heir 28th, another son of TR Zato Heir 27th and a four-year-old proven sire. He sold for the reasonable price of \$985.

Bassel Hereford Farm, Temple, Texas, purchased an April 1955 son of M Zato Heir 40th for \$665 for the third top selling bull of the sale.

Top of the female sale was a December 1950 daughter of OJR Royal Prince 10th, with a bull calf at side by M Zato Heir 40th and sold to George Mullenoe, Rochester, Texas, for \$630.

Another cow and bull calf combination was the second top of the female sale with the bull calf by M Zato Heir 28th going to Otto Spreen, Ballinger, Texas, for \$400 and the cow, a daughter of MC Larry Domino 14th going to Clifford Smith, Lyford, Texas, for \$225.

The larger buyers were W. B. Harrison, Stamford, Texas, taking 13 head; Patsy Morris, Coleman, Texas, taking six head and J. E. Davis, Blackwell, Texas, taking five head.

Walter Britten was the auctioneer.

Maryland Farm Hereford Dispersion

SUMMARY		
52 Bulls	\$ 62,035; Avg.	\$1,193
270 Females	99,745; Avg.	369
322 Head	161,780; Avg.	502

THE dispersion of the Maryland Farm Hereford herd, owned by Truman Ward, was held at the farm at Brentwood, Tenn., on April 30 and May 1, with a very large crowd on hand for the sale of this outstanding herd.

A new 1956 record price for a Hereford bull was reached when Joseph Tolbert, owner of 96 Hereford Ranch, Ninety Six, S. C., purchased the twice International champion, Hillcrest Larry 62nd, for \$30,100. There were many of his calves in the sale, showing the siring ability of this six-year-old bull.

Second top selling bull was Mill Iron F 657th, a December 1949 son of Colorado Domino V 140th and going to Arlie McClard, Farmington, Mo., for \$3,500.

Two bulls sold for \$3,000. Hillcrest Larry 35th, a May 1949 son of HC Larry Domino 12th sold to J. C. Watson, Gideon, Mo., and TT Zato Leader 13th, a June 1951 son of Zato's Aristocrat, went to Alvin Ruxer, Jasper, Ind.

Top selling female was an April 1949 daughter of Baca Duke 11th, with a bull calf at side by Hillcrest Larry 35th. She

PROOF OF A TOP BREEDING BULL



Shown above are a few of the many outstanding calves we have by M ZATO HEIR, our outstanding grandson of TR Zato Heir. They have those qualities that we feel so necessary for them to develop into truly top individuals. They have the type, ruggedness, thickness, depth and quality you will like—come by and let us show them to you.

We Invite You To Visit Us Anytime

BAR M RANCH RHOME, TEXAS

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Owner



Albert Haase
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HIS SELECTION A WISE CHOICE



TR ROYAL ZATO 73rd

Owned Jointly with Turner Ranch

We felt when we purchased this grandson of TR Zato Heir that he would sire the kind of calves any breeder would like. We now have several calves by this outstanding bull—they are yellow, good headed, straight lines with thickness and depth most pleasing. Those breeders who have seen his calves are highly complimentary. We would like for you to see them, and this good young sire. Come by anytime.

Our large herd enables us to offer you a wide choice of bulls and females. Come by and select your needs.

DUDLEY BROS., Comanche, Texas

Gail, Tom and Elton Dudley, Owners

CLARKE HEREFORD RANCH

Herd Sires:

J J Pub. Dom. 13th • Publican Royal 4th

YOU WILL HAVE TO LOOK A LONG
WAY TO FIND BETTER CATTLE

Jack D. Clarke, owner

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Down!

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OKLAHOMA HOME OF REAL SILVER DOMINO AND PRINCE DOMINO RETURNS . . .

CHAMP RANDOLPH

Real Randolph R.
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Martha 3d
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Lady Randolph A.
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Real Silver Domino
27th 3044050

Martha 2d
2897766

Real P. Dom. 24th
Daisy Domino 1st

Don Randolph
Princess D. 21st

Real Domino 51st
M. Silver Dom. 36th

Prince Domino P.
Lady Dom. A. 177th

"A herd sire representative
of the bloodlines in our
herd. Visit us for your
herd bull and foundation
female needs."

LONNIE ROONEY • WILSON, OKLA.



TR ZATO HEIR 246th

Look to HHR for Quality

A top herd of registered Herefords featuring a top son
of the Register of Merit TR Zato Heir.

We usually have young breeding stock for sale. You are
cordially invited to visit us and inspect our cattle.

HERRIN HEREFORD RANCH

RANCH LOCATED AT WEIMAR, TEXAS

Owner, R. T. HERRIN, President, Herrin Transportation Company, Houston, Texas

LIVESTOCK, LIVESTOCK INSURANCE - RANCHES, RANCH LOANS

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Cows, Calves, Bred Heifers, Open Heifers, Herd Bulls, Range

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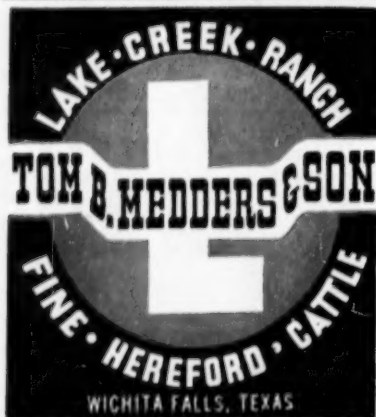
TALBOT HEREFORD RANCH

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3712 CRESTHAVEN
FORT WORTH



HERD BULLS IN SERVICE:

Don Domino 29th

Don Axtell, Jr.

Real Silver Mixer

WB Royal Mixer

Zato Heir B. 11th

8 Yearling Bulls for Sale

Visitors Welcome - -

LEAGUE RANCH

Jack Idol, Mgr. Benjamin, Texas

Your brand is your coat of arms, but it is of little use unless
it is recorded.

went to Walter Ruby, Madisonville, Ky.,
for \$2,210.

James Watson, Gideon, Mo., purchased
a September 1951 daughter of HC Larry
Domino 12th, with a heifer calf at side
by Baca Duke 40th, for \$1,410.

Miss Mill Iron E 318th and her bull
calf by Mill Iron E 81st brought \$1,225.
Thornton Hereford Ranch, Gunnison,
Colorado, purchased the cow for \$500
with the bull calf going to M. H. Year-
wood, Shreveport, La., for \$725.

J. M. Draper, Gainesboro, Tenn., pur-
chased Miss Mill Iron D 33rd for \$1,000.
She sold with a heifer calf at side by
Mill Iron A 395th.

Jewett Fulkerson, A. W. Hamilton and
Bill Pace were the auctioneers.

Lancaster-Ridgacres Farm Joint Hereford Sale

SUMMARY

9 Bulls	\$ 1,800.00;	Avg.	\$200
37 Females	\$ 8,797.50;	Avg.	238
46 Head	10,597.50;	Avg.	231

THE joint sale of Lancaster Here-
fords, owned by Ed V. Lancaster,
and Ridgacres Farm, owned by
H. G. Ridgway, was held at the Lancaster
Ranch just south of Durant, Okla., on
May 14, with the offering going to breed-
ers in Texas and Oklahoma. L. C. Atkin-
son, Throckmorton, Texas, was a guest
consignor of four head.

Top of the sale was a cow and bull
calf combination with the cow a May
1951 double bred granddaughter of Real
Silver Domino 301 going to L. D. Cain,
Houston, Texas, for \$425, and the bull
calf by TR Zato Heir 268th going to
Watson Ranch, Morris, Okla., for \$335.

J. P. McNatt, Greenville, Texas, select-
ed an April 1951 daughter of Real Silver
Domino 301, with a heifer calf at side,
for \$545 for the second top of the sale
and purchased ten head of females in
the sale.

Lonnie Rooney, Wilson, Okla., pur-
chased a December 1954 daughter of
EVL Prince Silver for \$515 and pur-
chased two other half sisters to this
heifer.

Other large buyers were L. D. Cain,
taking four head; Watson Ranch, taking
five head; and Heston McBride, Blanket,
Texas, taking seven head.

Walter Britten was the auctioneer.

New Kansas Hereford Road Map And Directory Out

A NEW edition of a Kansas Here-
ford Road Map and Directory is
ready for distribution, according
to an announcement by Jackson George,
Emporia, secretary-manager of the Asso-
ciation.

The directory lists members of the As-
sociation, gives their location and spots
their farm or ranch location on a Kansas
road map. In addition to this service the
association also maintains and distrib-
utes a list of "cattle for sale" by mem-
bers of the Kansas Hereford Association.

Don Breeding, Marysville, is president
of the organization and Kenneth Dusen-
bury, Anthony, is vice-president.

Humberto V. Reyes Joins Texas Hereford Staff

HUMBERTO V. REYES, a native of Berclair, Texas, has joined the field staff of the Texas Hereford Association. He will represent the association in Texas and in Mexico. This announcement was made by Henry Arledge, president of the association.

Humberto was an outstanding 4-H Club member in Goliad county, where he fed Hereford steers for a period of six years. He exhibited entries at Laredo and Dallas in addition to local shows. He showed reserve champions at Goliad and Laredo. In 1946 he was one of 12 Texas 4-H Club members named to accompany a group of students from the National School of Agriculture, Mexico City, on a tour they made of Texas sponsored by the Sears-Roebuck Foundation.

Reyes entered Texas A & M College on a four-year Jessie Jones Opportunity Award Scholarship in 1946. He received his B. S. degree in animal husbandry in 1950 and an M. S. degree in the same field in 1955.

During the summer months, while he was a college student, he was employed at the Beeville Agricultural Experiment Station, where his brother, Lucas, is the field agronomist. After receiving his bachelor's degree he was employed as assistant herdsman on the Hardy Grisom ranch at Abilene.

During the past year, Reyes served as beef cattle specialist in Saltillo, Mexico, under a program sponsored by the International Cooperative Administration through Texas A & M College.

Silver Dome Ranch Sale

SUMMARY

14 Bulls	\$ 9,165; Avg.	\$654
33 Females	11,150; Avg.	335
47 Head	20,315; Avg.	432

SILVER DOME RANCH, owned by H. G. Brown, held its first production sale of Polled Herefords at the ranch just east of Denton, Texas, on May 21, with a good crowd on hand from several states. The good offering went to buyers from Arkansas, Oklahoma, Mississippi, Missouri and Texas.

Top of the sale was a half interest in the reference sire, SD Domestic Carlos, a June 1954 son of G Carlos Mischief President. This good young sire created a lot of interest among breeders. A one-half interest sold to Steiner Valley Ranch, Whitney, Texas, for \$2,000.

Pollock Hereford Ranch, Mountainburg, Ark., purchased a September 1954 son of SD Mischief Rollo 2nd for \$1,375 for the second top selling whole bull, while Steiner Valley Ranch purchased a one-half interest in the proven sire Silver Bonny B, a six-year-old son of Pawnee Silver, for \$1,000.

Top selling female was a September 1954 daughter of G Carlos Mischief President, carrying the service of CMR Anxiety Domino 63rd for the second top at \$750.

Walter Britten and Neil Stinson were the auctioneers.

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Dr. Rogers'
X-25-EM

**STILL DELIVERING
THE BEST
KNOCKOUT
TO HORN FLIES**



Test after test in the field plus excellent results and complete customer satisfaction continue to prove that DR. ROGERS' X-25-EM is the BEST fly spray for livestock.

**STAYS
LONGER**

DR. ROGERS' X-25-EM sticks to the animal's hair in effective amounts often for as long as three weeks or more.

**RESISTS
RAIN**

DR. ROGERS' X-25-EM is the ideal fly spray even in areas of abundant rainfall, because it clings to the hair in spite of rain.

**CUTS
COSTS**

DR. ROGERS' X-25-EM, because it stays effective longer, requires fewer sprayings and thus less time and labor costs.

TEXAS PHENOTHIAZINE CO.

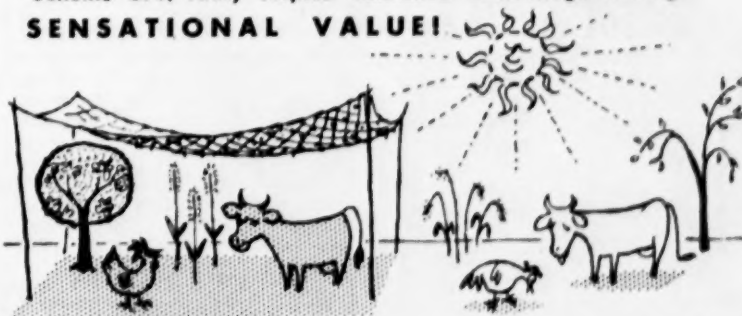
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FORT WORTH

Need SHADE? — 1½ sq. ft.

Genuine U. S. Army Surplus Garnished Camouflage Netting

SENSATIONAL VALUE!



**FOR:
LIVESTOCK
POULTRY
CROPS**

- ✓ CHEAPEST TO BUY
- ✓ PORTABLE & SIMPLE INSTALLATION
- ✓ LIGHTWEIGHT - Approx. 50 lb. per 1000 sq. ft.
- ✓ GOOD VENTILATION
- ✓ WEATHER-RESISTANT

DEALERS ATTENTION:

Make this great shading value available to your customers. A few territories still open — write for details.

Southern Trading Corporation
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Once again you get the cheapest and easiest-to-install shade available at a fraction of the cost of substitutes. Made from the finest new U.S. Army garnished camouflage netting. Jute burlap strips interwoven into 2½" sq. cotton mesh providing the optimum in shade, wind-break and circulation for soil conditioning. ORDER NOW! CLIP THE COUPON BELOW AND MAIL TODAY

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Please SHIP AT ONCE the quantities listed:

____ ea. 45 ft. x 45 ft. (2025 sq. ft.) \$30.37 ea.

Enclosed is my check for \$_____

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Silver King
"KING OF THE CATTLE CHUTE WORLD"

Offers FRONT and SIDE Opening



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"3 in 1" Animal Hospital
SQUEEZING! LOADING! HAULING!

Save Men and Cattle,
Time, Dollars!
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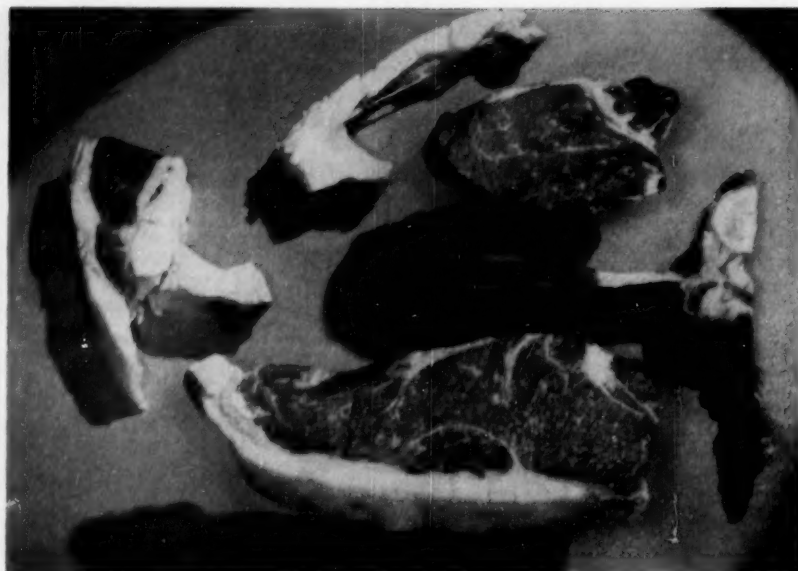
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The Cattleman

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A strip steak (bottom) and the tenderloin (top) are shown with the waste fat and bone that are removed in Swift's new Tender Frozen Meat Line.

The New Look in Meat

Nationwide Meat Packer Has Developed New Frozen Meat Line With Emphasis on Tenderness, Flavor and Convenience—Excess Waste, Fat and All Bone Are Eliminated

By DICK BIGLIN, Associate Agricultural Research Department, Swift & Company

Editor's Note: There has been much discussion among livestock producers, processors and retailers as to how the demands of the modern housewife for meat with less waste fat can be satisfied. Mrs. Housewife wants her food in convenient packages, easy to cook and at an economical price. Here is an account of what one meat packer is doing about it.

IN A REVOLUTIONARY move to help broaden the demand for meat from livestock, Swift & Company has brought out of the test stage its new line of trimmed, tender frozen meats, packed in aluminum foil wrapped cartons.

This nationwide meat packer has developed a new frozen meat line that has "built-in" quality with emphasis on tenderness, flavor and convenience. In addition, Swift is eliminating excess waste fat and all bone in the new meat line, with one exception—the bone is not removed from lamb chops.

For the farmer and rancher this new tender frozen meat line will put the products from his livestock on a par with the fast moving list of frozen foods that are proving so popular with consumers.

Porter M. Jarvis, President of Swift & Company, said the company has in-

vested years of research in developing this "new look" in meat that will help assure continued demand for meat and meat products.

The new frozen meat presents a drastic change in meat processing and selling. Swift research revealed that Mrs. Homemaker wants tenderness, convenience and a minimum of waste in the meats she buys. Price, of course, is important, but Mrs. Homemaker is willing to pay a reasonable amount for such services.

Here is how the frozen meat line is designed to meet these specifications:

(1) It is trimmed of all bone and all excess fat. Only enough fat is left to give protection and add flavor.

(2) Tenderness is of paramount importance. A special aging process, plus a taste test are used in the preparation and selection of cuts for the new meat line to help promote tenderness and insure flavor.

(3) The meat in each package is first carefully wrapped in a transparent protective film and is then placed in a carton and finally wrapped in foil for maximum protection. These packages permit easy stocking of retail freezer cases and home freezer units. The attractive foil wrapper gives the frozen meats consumer eye appeal in a modern setting. Cooking instructions on each

package help sell the housewife on the convenience of these meats.

Promise of Broader Markets

For the livestock man the frozen meat line adds promise of broader markets for products from the livestock he produces. Swift's goal in the frozen meat line has been to increase the demand for meat by making it more attractive to the consumer.

The frozen meat line also may mean that the highs and lows of livestock and meat prices can be leveled off somewhat because of the adaptability of the product to freezer storage. Price fluctuations dictated by heavy or light marketings have been one of the serious problems facing both the producer and the meat processor.

One livestock producer pointed out after viewing the new frozen meat line: "Personally, I'm glad to see frozen meat in stores right along with the other convenience foods that have proved so popular in the past few years." He cited the tremendous increase in the sale of fish sticks recently, which is attributed to its convenience.

Years of research in the laboratory and surveys in stores and homes provide the background for this frozen meat, poultry, and pie line, which at present includes 44 items. The meat line is gaining steady acceptance in food stores throughout the country after months of testing on a restricted basis in several large metropolitan cities. At present, these products are being sold in many major markets throughout the country.



Chickasha Mike, winner junior cutting horse contest, Santa Rosa Roundup, owned by Leonard Proctor, Midland, Texas and ridden by J. T. Fisher.

—Cathey photo.

Many consumers and livestock producers alike have asked why the frozen meat line was not started years ago. The reason is that many consumers were not ready to handle it. In 1929 Swift first started its sale of frozen meats, but it was soon discontinued. Consumers did not have the freezer space to keep the product for any length of time; low

temperature transportation was not readily available and retailers were not equipped to handle the product. The depression years of the 30's also hampered continuation of the line.

Picture Has Changed

Since then the picture has changed. There are more than 30 million refrigerator freezer compartments and 8 million home freezers in America today, so storage is not as much of a problem.

In addition, 12 million homemakers who are employed part time or full time away from home want convenience for their cooking. Those who do not work outside the home are not the least adverse to convenience in this day of quick meals which leave more time for other household activities.

In Swift's trimming process for the new meat line, all bone is removed from the various cuts with the exception of lamb chops. From an ordinary pot roast, for example, more than one-fourth of the weight is trimmed away, later to be put to some use in the packing plant. From a rib roast the trimming amounts to almost one-third, and goes as high as two-fifths which is trimmed from a pork roast.

How about the cost of the new frozen meats? Trimming of this fat and bone has required an adjustment in the price per pound of the tender frozen meat. The cost per pound of product in the package must be more, since all the bone (with the exception of lamb chops) and all excess fat are removed at the packing

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plant. Yet, ounce for ounce of meat the new product will cost Mrs. Homemaker little, if any, more than fresh meat. The additional costs of processing and merchandising the frozen meat will eventually be offset to a great extent by the savings in freight with less pounds to ship and keeping the fat and bone at the packing plant where economical use can be made of them. So, the livestock producer is not "footing the bill" of this new product, but instead he stands to gain from increasing demand for meat and better markets.

Convincing Mrs. Homemaker that—quality considered—she is not paying an exorbitant price per pound of eating meat was and is a problem of education. Swift & Company had the same problem that faced the poultry industry a few years ago when it tried to get the consumer to take eviscerated poultry at a higher price per pound than New York dressed. When the consumer learned the merits of buying eviscerated poultry, the change came rather quickly. The answer to this question of the cost of producing tender frozen meats is not yet complete. However, Swift & Company firmly believes that it will eventually be an economical operation.

The early stages of any new production process can be compared to the building of a new model car. The first model is a hand-made automobile. After it is produced and receives approval, production methods are set up to make it in the most efficient way and at the lowest possible cost. Swift has a similar situation and is converting to mass production as rapidly as possible.

The trend to more "self-service" in the food store today has given added impetus to the sale of tender frozen meat. Mrs. Homemaker is willing to buy a convenience product if she can be assured that the product will be consistently good in quality. Swift's frozen meat line was developed to give the consumer what she likes in meat products—tenderness, flavor and convenience at a reasonable cost.

Program Started in 1954

The present program to promote frozen meat was started by Swift in the spring of 1954 when the line was packed for the S. S. Pierce Company of Boston. At the time the line consisted of 14 items, including steaks, chops and roasts. Each cut was inner-wrapped in cellophane and sold in a waxed cardboard container with the cooking instructions printed on the box label.

This initial sales test proved that consumers would buy the product, and, more important, would return for repeat purchases.

In May, 1955, the tender frozen meats were marketed under the Swift Premium brand label in Detroit stores. The first week, six stores of one chain had the line. For each of the next four weeks, six more stores of different supermarkets added the line.

Consumer surveys revealed that 73 per cent of the original purchasers of frozen meat continued to buy the meat items by the end of the first three-month period. Sixty-two per cent continued to buy at

the end of the first six months. The items most frequently selected as "first-time" purchases were pork chops, pork loin roasts, sirloin strip steaks and veal cutlets.

Fabricated items, such as easy-to-serve loin luncheon steaks, hamburger patties, buttered beef steaks and sliced beef livers received excellent quality rating and repeat purchases.

Surveys also revealed that in any meat purchase there is an important relationship between price and quality. After paying a price which she feels to be high in relation to the price of corresponding cuts of fresh meats, the housewife expects superior quality. She insists on that consistently superior quality if she is to make repeat purchases, and for that reason Swift has made rigid quality control of paramount importance in the new meat line.

What has been the consumer's reaction to buying meat in the frozen state? Apparently there is very little adverse reaction by the housewife. She has no objection to frozen meat if the quality is as good or better than fresh meat.

Swift carried out extensive research in attempting to find the correct temperature for storage of the meat. The research staff found that zero or lower temperatures were required for holding frozen meats for preservation of the product. When meat is stored at 20 or 25 above, the meat appears to be solid, yet only about 60 per cent of the water in the meat is frozen. Scientists in Swift's research laboratory have found that at zero bacterial and most enzyme action is halted and the meat is frozen solid.

Swift's Premium Quality

All meat used in the tender frozen line is selected for Swift's Premium quality. Research has shown that Mrs. Home-maker demands this quality in the meat she buys.

How does Swift give some assurance of flavor and tenderness in its steaks? With the tenderaging process, plus a strict taste test. A statistical sample of each lot of carcasses or cuts from the aging room is given this trial by a steak testing panel. Every steak tested must rate excellent to good in order to qualify the lot for the tender frozen line. If any steaks do not meet specifications, another more extensive test is made on the lot. Should any of these fail to meet the high standard the entire lot is taste tested and each carcass is approved or rejected individually.

High standards also are demanded for Swift's Premium rib roasts, pot roasts, sirloin roasts, round steak, tenderloins, beef for stew, pork loin roasts, loin lamb chops and others. The appearance of the fresh meat is considered and the coloring and marbling of the lean meat must conform to exacting standards.

Some livestock producers who have inspected the line have asked what the livestock man can do to produce an animal that will have a greater proportion of lean to fat. And what about tenderness? Is there a genetic connection be-

(Continued on Page 82)

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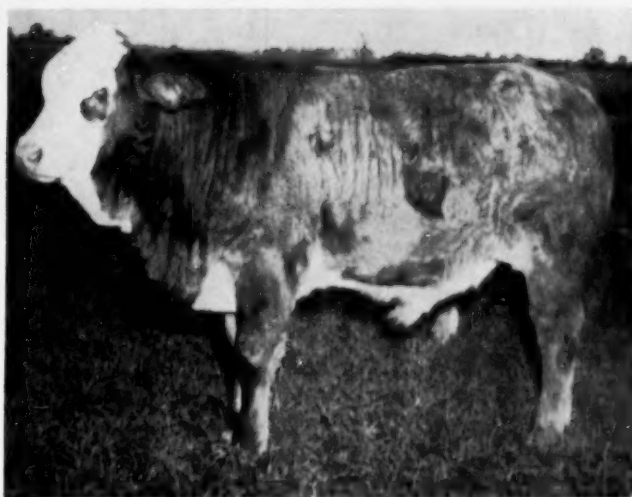
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New package features Swift's red and blue label with white background.



The New Look in Meat

(Continued from Page 79)

tween the type of animal and tenderness?

Swift scientists have no easy solution to the problem, but they do point out that because of the special tenderizing process and taste testing Mrs. Homemaker is getting something in the tender frozen meat line that she cannot get elsewhere. With continued acceptance of such a product by American housewives, they add, it may well behoove the raisers of livestock to produce animals that most closely meet this demand.

Much work has been done in developing a meat-type hog. Sheep raisers are becoming more conscious of the housewife's desire for young, tender lamb. The cattleman has for many years raised the well-formed, well-finished cattle as the epitome of that kind of animal. Perhaps the livestock and meat industry should try and find out if tenderness can be bred into the animal.

In the frozen meat line Swift & Company has attempted to do with beef what has been done in the trimming of fresh pork, leaving just enough fat for protection and flavor.

Basic Meat Cuts

Swift's new tender frozen line is divided into basic meat cuts, such as pork chops and beef steaks; specialty or easy-serve items such as sandwich steaks and hamburgers; frozen meat and poultry pies, and frozen cut up chicken, both raw and pre-cooked.

Preserving the tenderness and flavor of the frozen meat with an effective

and attention-getting wrapper was another prime target for the Swift research staff. It was finally decided after months of research and consumer surveys that the best wrapper would be an over-wrap designed to give the best possible protection and present the most appealing appearance to the prospective customer. The meat is now wrapped with a moisture-proof cellophane inner-wrap, placed in a cold-waxed carton and covered with a foil outer-wrap.

Even the color and design of the package were given rigid tests. Red invariably is the most attractive color to the shopper. The red and blue Swift's Premium label with a white background and a fresh, true color print of the meat cut gives the outer-wrap the right touch.

Many of the meat cuts, such as roasts, are formed to fit compactly into the carton. Yet the many different cuts did not lend themselves to uniform packaging for self service freezers—a vital point for convenience of stacking, both in the retail meat case and in the home freezer compartment. The various cartons eventually were designed to vary in length and depth, yet remain generally similar in width.

Cooking instructions are given on each over-wrap, and all suggested recipes are for the simplest method of cooking, with more complicated recipes left to the individual's taste.

What has been Mrs. Homemaker's reaction to buying meat in closed packages? Apparently very little adverse reaction if the product bears a brand for which she has respect and can depend on for quality.

Swift is backing its faith in the new frozen line with an extensive advertising program designed to attract and educate the American housewife in the new meat. Other meat packers may soon follow Swift's lead in the field. Once on a mass production basis and sold on a nationwide scale, it is felt that the new line will rapidly become the meat of tomorrow.

I like your publication very much. We bought our first registered Hereford, a grandson of PT. Comfort 14th, in 1916 and have had them ever since.—M. H. Holmes, Sr., Trenton, Tenn.

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Tips on Tornadoes

By WALT THE WEATHER MAN

It is generally accepted that tornadoes are most likely to occur in the vicinity of a severe "instability line." An "instability line" is a line of thunderstorms that is probably moving rapidly from west to east with gusty surface winds, occasional hail, and short periods of heavy rain.

Why do some "instability lines" breed tornadoes, while others do not? This is the big, big question that weathermen are trying to answer successfully.

Probably the term "low-level jet stream" means very little. But the current tornado forecasting methods used by the Severe Weather Forecast Center at Kansas City include this term. A good friend of mine has been flying between Fort Worth and Mexico City for many years on an average of twice weekly. He has made the statement, "Walt, I believe there is a low-level jet stream that starts south of San Antonio and extends northeastward into central Missouri. It seems to be only about a thousand feet thick and perhaps twenty to fifty miles wide. I call it the Gulf Stream and have noticed it many times. The wind speed in this narrow stream is much stronger than it is just outside the stream."

Unstable Atmosphere

Severe thunderstorms occur in an "acutely unstable" atmosphere. "Unstable" means that the air in the lower levels is very warm in relation to the cooler air at upper levels and thus, tends to rise. If things should occur to make the lower levels still warmer and the upper levels even colder, we would have an "acutely plus" instability.

For several years meteorologists have been studying the "high-level jet stream". It has been found that the temperature of the air changes drastically near the "high-level jet stream". So it would be reasonable to say that this narrow belt of fast-moving air might be the mechanism to cause the upper atmospheric levels to become cooler.

Let us try to visualize two "jet streams" crossing each other. In the lower levels (below five thousand feet) we will assume a "low-level jet stream" blowing from the southwest toward the

northeast with the ability to cause a rapid warming in the lower levels. Then, in the upper levels (between thirty thousand feet and fifty thousand feet), let's have a "high-level jet stream" blowing rapidly from the west-southwest to the east-northeast with the ability to create rapid cooling aloft. In the vicinity of the intersection of the paths of the two jet streams, it is believed that we might have the "acutely plus" instability that could produce a tornado.

Tornado Forecasts

Tornado "Forecasts" are issued by the United States Weather Bureau when conditions seem favorable for the formation of a tornado in a rather large area during a particular time interval. Tornado "Warnings" are given out when a tornado has actually been sighted or "when a hook-shaped echo is sighted on a radar screen". You may have read about the hook-shaped echo that appeared on the radar screen at Texas A. & M. College that led to the issuance of a warning of the approach of the tornado that struck between Bryan, Texas, and College Station, Texas, this spring. Warnings are not issued unless there is good evidence that a tornado has actually formed.

Tornadoes move in the same general direction that the "low-level jet stream" is blowing, so they usually move from southwest to northeast. If you should see one, note its movement and then beat a hasty retreat at right angles to the path of the moving storm. It might be difficult to outrun a tornado because they have been clocked at well over 100 miles per hour. Some of them move rather slowly, but they might speed up!

Estimates vary as to the speed of the wind in a tornado. It appears that it probably runs as high as 300 miles per hour. In the May issue of *The Cattleman* we discussed the fact that the wind attempts to "blow into the center of a low pressure area". And of course, a tornado is an intense low pressure area. The air that is forced toward the center of the tornado can go in just one direction, up. The upward movement is very fast and probably causes houses to literally "explode".

It seems to me that the best things to remember in the way of safety rules are these:

1. Tornadoes usually move from southwest to northeast.
2. Tornadoes pick up objects that could fly through the air and hit me or fall on me.
3. Tornadoes sometimes knock down walls that could fall on me.
4. Tornado forecasts are improving all the time and should be taken seriously. (Next Month: Tips on Thunderstorms)

A Reader Likes Walt

To Walt, the Weather Man—Surely enjoyed your first appearance in our magazine. I have owned a good "Holo-steric" (Aneroid) barometer for 30 years and have transported it from dead sea level, here in Massachusetts, to 2,930 feet above at Garden City, Kansas. As you say, do not put too much faith in them, but in hurricane and dust-storm country

they become infallible. Here, during one hurricane, mine registered 28.4 and really meant it, as there was eight inches of salt water in my house. This barometer went wild. It was made in France.

Trusting your entrance into *The Cattleman* will continue, your explanation of working of a barometer was the best and plainest I have ever read. I am, yours very truly, Dudley C. Howard, Vineyard Haven, Massachusetts.

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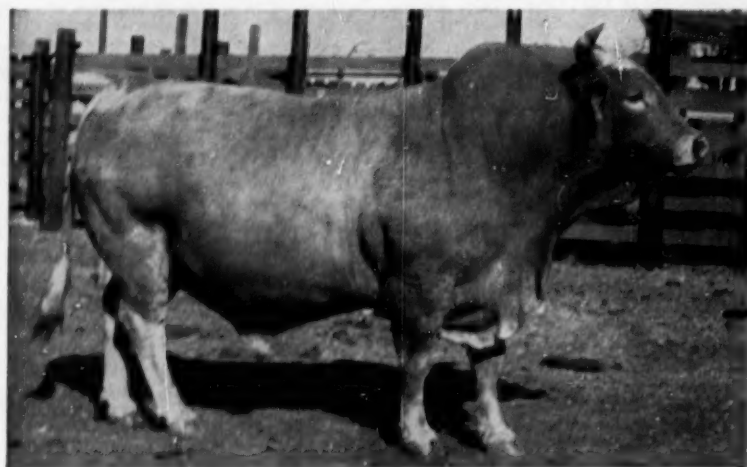
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Ray Hurries

(Continued from Page 37)

boys have ridden her at New York; Leo Brannon, Guy Weeks, Norris Patton, Buddy Groff, Whiz Whizenhunt and T. B. Porter, who once won the average riding her.

The first horse that Ray used seriously in the roping game was a sorrel called Bones. He and Bones started out together and Ray also trained Bones for his rodeo chores.

Then came another sorrel called Rusty, who campaigned heavily in Wharton's ownership until he sold him a few years back to Jim Bob Altizer. Ray still has a seat on this horse anytime he wants one.

Scrap Iron a Thoroughbred

Along with Cindy, Ray currently has another calf horse that's hard to beat at pickin' 'em up and puttin' 'em down after a high-tailing calf. This one's named Scrap Iron, because he's so tough and, like his rider, he's a sort of small individual. But also like his rider, he makes up for this with guts and spirit and heart and the desire to win.

Scrap Iron is a little Thoroughbred gelding. He doesn't weigh over 980 pounds, yet he's galloped a lot of top ropers to the pay window, including Bill Linderman, Don and Gene McLaughlin, Milton Loper, Shoat Webster, Groff, Patton and Whizenhunt. In 1954 Ray won about \$20,000 with the little horse and almost half of that, including the percentage splits from the wins of other boys, was won in the fall of the year in about 60 to 70 days.

Scrap Iron is a great horse over both long and short scores. For instance, Mac Yates won Cheyenne on him last summer over the very long score, and Ray won the recent Denver show, as I mentioned at the beginning of this article, which has a very short score. The mighty little horse breaks from a box very well, runs smooth and fast, and is easy to rope on.

Some of the rapid runs Ray has made on these horses include those at Sonora, when he secured a calf working from the back of Rusty, in 10.1 seconds; Pear-sall, when he downed one in 10-flat riding Bones; and Del Rio, at a jackpot roping, when he roped, threw and tied a calf in 9.8 seconds while riding Scrap Iron.

When it comes to matched roping competition, Ray Wharton is right up there among the best. One of the first big contests of this type that he entered was at Bandera, in the spring of 1953. He didn't place in the money here but he did tie one calf in 12.4 seconds.

But last year he placed in two of the biggest ropings of the season. The first one was in May, at Clovis, New Mexico, where Ray split third money with Jim Bob Altizer with a five-calf total of 97.8 seconds. Then in December, at Don McLaughlin's annual roping at Colleyville, Ray placed third with a six-calf total

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BRANGUS BREEDERS

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time of 88.8. At Don's he was beaten by Altizer and Groff, in that order.

Last year, with scores of calf roping victories to his credit, Ray Wharton ended up the season, according to RCA statistics, in fourth place in the calf roping with 10,274 points. He had an excellent season.

But I look forward to seeing him have another good season. He's more than capable and I predict that Ray will wind up the year 1956 in no worse than fourth place once again. Remember, the luck and the magic of an early Denver win is riding in the saddle with him!

Blackleg Season Brings Warning From Veterinarians

THERE are several diseases or conditions that may cause the same type of sudden livestock deaths that blackleg causes, according to the American Veterinary Medical Association.

"Malignant edema, anthrax, red-water disease, lightning, stroke, poisoning and even fast-acting infections may be responsible for deaths very much like those

caused by blackleg disease," the association points out.

"Laboratory diagnosis may be needed to establish the exact cause of death. Blackleg is caused by a germ which can live in infected soil for many years. It is difficult to eradicate once it has become established."

An annual vaccination program of all calves over one month of age is the best way to prevent blackleg losses. And because this is the season when cattle are getting out on pastures, it is also the peak period for possible outbreaks. Calves vaccinated young should be revaccinated a few months later.

The quick deaths caused by this killer make it difficult to detect warning signs that blackleg is about to strike. Only those treated within the first few hours of infection can be saved. The association urges livestock raisers who suspect blackleg to call in a veterinarian to determine whether it is this disease or some other that has caused the animal's death.

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Blood Study May Indicate Why Some Horses Are Fast

VETERINARY research has come up with what may be part of the answer as to why certain race horses can race better than others.

Laboratory tests conducted by veterinarians at a California race track indicate that hemoglobin and red blood cell content provide an index to the stamina and physical condition of the horse at that time, according to the Journal of the American Veterinary Medical Association.

A study of the race record of a group of horses showing the highest hemoglobin and red blood cell count indicated that these high readings were a factor in running ability.

In another group of horses having low values in these two blood tests, racing results showed that they either did not race at all or else finished out of the money.

The research report cautions, however, that many other factors are involved and must be considered before a true value is placed on the blood picture in race horses.

The report adds that a routine study of the red blood cell content and hemoglobin concentration of all racing horses is indicated as part of the regular clinical care and advice given by the track veterinarians.

America's livestock growers have produced the largest supply of meat in history. Here are some meat facts passed along by the National Live Stock and Meat Board: All meat is tender and appetizing when properly cooked. In cooking meat keep the temperature low. The fat and lean of the less-demanded cuts of meat are just as good for you as the fat and lean of the more popular cuts.

Essar and 77 Ranch Change Breeding Program

(Continued from Page 31)

undergo the extensive testing. Cattle were purchased from top beef producing herds in the Dakotas, Nebraska and Iowa and will be bred to a top battery of bulls. Among these bulls is a one-half interest in Prince Sunbeam 971st and three very promising Scotch imported bulls. Both bulls and females have been chosen for their beefiness, size, smoothness and natural conformation. Ljungdahl will work closely with Southwest Research foundation in carrying out this project.

Essar will sell the bulls produced by this new method in an annual sale; however, it will be quite some time before tested bulls and females will be ready for the public. These cattle will be raised under practical ranch conditions and the policy will be to sell them at reasonable prices.

Seventy-Seven Ranch, owned by George W. Graham, Wichita Falls, is going into the same phase of operation as Essar; but they are using a different method of production testing cattle. Graham, a director of the American Aberdeen-Angus Association, is a firm believer in raising cattle under natural conditions. The top quality herd of Angus cattle at Seventy-Seven will be kept under natural range conditions at all times. The cattle will be closely observed and each individual must come up to the rigid standards set by Graham. Cows that do not stand the test will be eliminated from the herd without regard to family, bloodline or purchase price. Every cow that produces a dwarf or freak calf will be relegated to a testing herd where Seventy-Seven herd bulls will be tested for dwarf carrying characteristics.

All calves will be production tested, but only under range conditions such as the average commercial cowman will produce his calves for market. No creep feeding of calves will be done and the weaning weight of each calf will be the most important record of performance at Seventy-Seven. Graham places much importance on weaning weights because of the fact that the commercial rancher sells his calf crop when weaned. With this in mind, Graham believes the Seventy-Seven calves that are heaviest at weaning time, taking into consideration the performance of the cow as a mother, will be the bulls that will sire the heavier calves at the time they will be marketed. The primary function of Seventy-Seven will be to produce top quality Angus bulls for the commercial breeder of the Southwest, raised under rugged conditions and performance tested. An annual bull sale will be held, with approximately 100 to 150 unfitted bulls selling. Graham believes that by producing this kind of bulls and making them available at a price the commercial man can afford, Seventy-Seven will contribute much to the improvement of Angus cattle in the Southwest.

International Charollaise Directors



The International Charollaise Cattle Raisers Association has expanded its offices and has moved from 4905 Calhoun Road at the Port City Stock Yards to new quarters in the Texas National Bank Building in Houston. Above is the picture of the directors taken at a recent meeting following the move. Front row (left to right) S. L. Crochet, Clewiston, Fla., secretary; G. A. Morris, Rocksprings, Texas, vice-president; Wm. D. Parker, Houston, Texas, president; Herb J. Hasothorne, Houston, Texas, treasurer; Betty Frazier, Houston, executive secretary-treasurer. Back row (left to right) H. S. Martindale, Rocksprings, Texas; C. M. Frost, Houston, Texas; Henry Darroh, Hempstead, Texas; Winston Wheeler, Wichita, Kans.; Roy Hislop, Phoenix, Ariz.; Miss Billie Yates, Vineyard, Texas; Kenneth Miller, Tyler, Texas; Jack Smythe, Bandera, Texas; M. G. Michaelis, Kyle, Texas; H. M. Kimball, Maringouin, La.; Henderson Coquat, San Antonio, Texas; J. M. Chittim, Leakey, Texas; Frank Campbell, Ash Fork, Ariz. (Not present was G. A. Furgason, Ocala, Florida.)

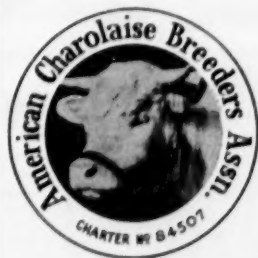
Dr. Dan Roberts Manager

Dr. Dan Roberts, widely known among Angus breeders for his ability to produce top cattle in the show ring under the Seventy-Seven banner, will be in charge of this new operation. Seventy-Seven cattle will be shown only in carlot and group bull classes.

Roberts has culled the Seventy-Seven herd closely and has added some more top Angus cows. He recently purchased at private treaty four bulls from the Jennings Brothers herd at Highmore, S. D., along with one bull selected from the Gauger Brothers at Clear Water,

S. D. These bulls will be in heavy service, along with the top Seventy-Seven herd bulls.

Both Essar and Seventy-Seven, in their new operations are moving into this new phase of the cattle business with the same objective in mind, and that is to produce better Angus cattle that will in turn produce better quality Blacks for the man whose end product is beef. In doing this, their methods vary somewhat but their contribution to the cattle industry of the Southwest will be far reaching and of major importance to the Aberdeen-Angus breed.



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MORE "CHIEF" CALVES ON THE WAY!

The picture above shows CHIEF, our many times champion Santa Gertrudis bull in a single sire breeding herd made up of some of the top cows on the T. N. Mauritz & Son Ranch.

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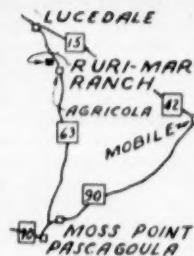
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Santa Gertrudis Field Day

SANTA GERTRUDIS will be featured June 23 at a Santa Gertrudis Field Day to be held on the Bar B Ranch of Mr. and Mrs. J. W. Bryant, Plaquemine, La.

Bryant is one of the first Santa Gertrudis breeders in the Plaquemine area. The field day will feature purebred and crossbred Santa Gertrudis cattle.

Guests of honor include Gov. Earl K. Long, Governor of Louisiana; R. W. Briggs of San Antonio, Texas, president of Santa Gertrudis Breeders International; Sidney J. McCrory, Louisiana Commissioner of Agriculture; Tobin

Armstrong of the Armstrong Ranch at Armstrong, Texas; Jay Dillingham, president of the Kansas City Stockyards, and Robert Spangler of the Purina Mills Research Farm at Gray Summit, Mo.

Bryant, whose Mississippi Delta area ranch is located nine miles south of Plaquemine, said the field day will get underway at 8 a. m. with registration in the air conditioned Plaquemine theater.

Santa Gertrudis Breeders International is cooperating with Mr. and Mrs. Bryant in staging the field day, the first of its kind ever held in the state. Others in Georgia, Florida and Texas have proven highly successful in acquainting cattlemen and others with the Santa Gertrudis breed.



GET ACQUAINTED WITH THE THOS. Y. PICKETT RANCH

The picture of the heifer shown above is the first of a series designed to acquaint you with the cattle we are raising and the efforts we are continuing through a constructive breeding program to produce the best in SANTA GERTRUDIS CATTLE. Our emphasis has always been on QUALITY, and we are now ready to begin showing you the results of our breeding program.

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California Breeder Starts Santa Gertrudis Herd

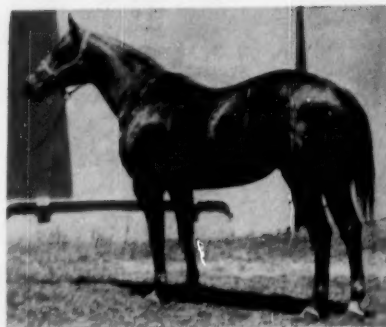
OSCAR A. MELLIN, owner of Rancho La Encantada, Morgan Hill, Cal., recently completed a tour of Santa Gertrudis breeders in Texas and Arizona and selected 30 certified and accredited females and bulls as a foundation herd. Mellin plans to provide Santa Gertrudis breeding stock to northern California cattlemen for crossbreeding.

Do not throw lighted cigarettes from your car. Keep Texas Green.

Seven Santa Gertrudis Shows Scheduled

SANTA GERTRUDIS Breeders International, Kingsville, Texas, has announced that the following competitive shows for Santa Gertrudis cattle have been scheduled:

East Texas State Fair, Tyler, Texas; Gregg County Fair, Longview, Texas; Heart O' Texas Fair, Waco, Texas; Tulsa State Fair, Tulsa, Oklahoma; Pan American Livestock Exposition, Dallas, Texas; South Texas State Fair, Beaumont, Texas, and the Baton Rouge Livestock Show, Baton Rouge, Louisiana.



Barbara Star, champion mare, Dallas Quarter Horse show, owned by R. Q. Sutherland, Kansas City, Mo.—Cathey photo.

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Vaccination Only Sure Way To Prevent Sleeping Sickness

A WARNING against the approaching dangers of sleeping sickness in horses and mules has been issued by the American Foundation for Animal Health.

"This condition is spread by biting insects, and with a build-up in insect numbers occurring now because of warmer weather, prompt action should be taken to protect horses and mules against this disease," the Foundation says.

Vaccination by veterinarians is the only sure way of preventing the disease. Horses of all ages should be vaccinated each year, since firm protection lasts for only one season. In addition to the vaccination program, veterinary medical officials suggest keeping the animals away from low, swampy areas and instituting good insect control programs.

"The symptoms of sleeping sickness resemble those of heat stroke, rabies and some other ailments, making an accurate veterinary diagnosis of great importance," the Foundation says.

"Losses may run as high as 60 per cent in a group of unvaccinated animals. Afflicted horses and mules should be isolated under insect-free conditions so mosquitoes and other carriers cannot spread the disease further."

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R. P. Marshall, in foreground, executive-secretary of the Santa Gertrudis Breeders International, discusses breed type with members of the East Texas Santa Gertrudis Breeders Association at Rush Creek Ranch, Kerens, Texas.



Santa Gertrudis Field Day at Rush Creek Ranch

M R. and Mrs. Charles S. Pearce Jr., of Corsicana were hosts to the members of the East Texas Santa Gertrudis Breeders Association at a field day and meeting of the organization held at their Rush Creek Ranch near Kerens on May 19.

A constitution and by-laws governing the organization was adopted by the membership and Charles Pearce, Jr., Ray Cowart of Henderson and John Wilson of Fort Worth were added to the board of directors.

C. E. Kennemer, Jr., of Dallas, president of the association, reported that the organization was in sound financial condition and had 44 paid-up members.

Plans were discussed relating to the fourth annual sale to be sponsored by the group at Renner, Texas, on Oct. 5 and a tour of members' ranches to be held during the State Fair of Texas.

After the business meeting, Pearce held a demonstration in which animals were judged by three different individuals, representing the stocker buyer, the butcher and ideal breed-type standpoints.

Residue Management and Wheat Yields

W HEAT residue management in Texas Research Foundation's experimental fields at Renner has paid off consistently during the past seven years with higher wheat yields, Dr. Thomas C. Longnecker, Head of the Foundation's Hoblitzelle Agricultural Laboratory, has revealed. "Residue management on continuous wheat, fertilized and overseeded with hubam sweet clover, has given the highest wheat yield of all the wheat systems," he said. "Fertilizer consisted of 15 pounds of nitrogen and 80 pounds of phosphate an acre on the wheat at planting time, and a later application of 40 pounds of nitrogen as a top dressing." Immediately after harvest, usually in early July, the stubble was cut twice with an offset disk and worked into the top two inches of soil.

Then the soil was loosened to a depth of six or eight inches with a field cultivator. This mulch of chopped up stubble and straw kept the top soil open for rainfall penetration and at the same time prevented soil moisture loss. "In 1952,

this system produced almost four times as much wheat as unfertilized wheat in rotation," Dr. Longnecker continued. "Over the 6-year period excluding 1951—when there was a complete crop failure—the system utilizing residue management averaged 27.1 bushels an acre." He said that seven years of residue management, without burning, had consistently produced the higher wheat yields.

Brazoria County Colt Show To Be Held July 22

THE Brazoria County Quarter Horse Association will hold its annual open colt show at the Brazoria County Fair Grounds July 22, according to an announcement by J. Lee Murray, chairman of the colt show committee. There will be a barbecue at noon followed by the show starting at 2 p. m. There will be four classes for 1955 and 1956 colts with ribbons to be awarded to three places in each class and also the champions and reserve champions.

The Gulf Coast Cutting Horse Association will hold a jackpot cutting horse contest following the colt show.

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Champions at Fort Worth Hereford Stocker-Feeder Sale

Champion pen of steers owned by Rancho De Paz, Perrin, Texas. From left to right are Bill Few, National Commission Company; Jim Herring, manager of Rancho De Paz; Emory Birdwell, Palo Pinto, judge of the cattle; Charles Sealing of Fort Worth, and Walter Rice of Fort Worth, with Universal Mills.



Angus Cattle in Mexico

(Continued from Page 33)

keep the good gaining characteristics that the cattle already had and produce the kind of cattle most useful to him and to neighboring ranches. He knew that you could go into a show herd and select a fine-looking bull that had been fed and pampered, but under natural range conditions it might not do too good. He had tried this, and had bulls of that type among the herd.

Benton selected cattle from his own herds because the bulls were adapted to the natural conditions of Sueco and he felt their weight and quality would be a true indication of their real merit. Both men believed that the herd could be built up and would produce well on the range and have sufficient good qualities to demand a premium when they crossed the river. They believed that the premium price is more important to Mexican ranchmen than to Texas cowmen, because there is a fixed charge of export duties out of Mexico and import duties into the United States and other fixed expenses that total from five to six dollars per hundred pounds. Unless the cattle are of extra good quality there will not be any margin of profit left during a period of low prices. Many times Benton cattle have outsold other exported cattle from two to five dollars per hundred. Naturally the big headache in Mexico is the weight loss in shipping, but the offset for Benton cattle is the pay premium.

Same Program With Females

After the bulls were graded and selected Captain Benton carried out the same program with the females because he wanted to keep the good characteristics that these mother cows already had, and which might be lost by putting new blood in the herd. Seven hundred cows were rounded up and out of this herd one hundred of the best were selected for the improved herd. They were graded, classified and numbered.

The purpose of the fine herd at that time was to improve the commercial herd and the Captain hoped that at least one

hundred bull calves would be produced annually. He planned to steer a third of these and to sell a third and use the rest on the range. It took about thirty replacement bulls each year to keep the herd going.

When once adopted, the program went forward and by 1948 the size of the herd was increased to provide bulls for the ranch and bulls for sale to other ranchmen. It has now been increased until as many as two hundred fine bulls are sold annually.

When the Aftosa quarantine was on and the sale of steers out of Mexico was stopped, the good bulls kept selling in Mexico and these sales with those of cattle to the canning plant, kept the ranch going.

The Captain kept minute records of every animal. To begin with he put a chain and single link around the necks of his fine animals, and gradually built up a better marking system that now includes the neck chain, two ear tags, a tattoo in the ear and his brand, I.B. "I've seen the Captain sit up well into the night with the Mexican foreman, tracing down a single error in the records," Professor Knox said. "He was very careful and kept every detail meticulously correct." Today each animal's record is carefully kept in a book and keeping these records is no small job since the registered cows now number eight hundred.

Professor Knox has spent many hours on the Benton Ranch which is the only one in Old Mexico where he has selected and graded cattle over a period of many years. He grades each animal twice, first at six months of age and again at eighteen months. When the grade does not improve, the animal is put back in the commercial herd. The Mexican foremen and their cowboys call Professor Knox "El Ley," the law, and admire him very much. When he is at the ranch they go out of their way to be helpful and take as much pride in the high marks of the cattle as he does.

"I would say," Knox said, after talking about his program on the Benton Ranch one afternoon at his home in Las Cruces,

"if you can't improve cattle by selecting those that do well under certain set conditions, then they cannot be improved." He recalled that when he first came West, old-time cowmen told him that you could not keep up the bone of the herd without constantly importing new blood. He says he has found by selection of the animals that were produced on the range and were outstanding individuals, that you can maintain your herd at a high standard. He did not believe what the old cowmen told him long ago and now he does not hear that theory stressed very much. "When we pick cattle with weight, bone and quality here, they will reproduce here," he said.

It is interesting to compare the present high grades of the fine herd with those first grades of thirteen years ago. The quality has gone up and up.

Knox recalls many pleasant evenings spent at the Benton Ranch. "Captain Benton was a very wonderful man, mild, gentle and fearless," he said. "His religion was a dominant force in his life. He believed completely that he was here to serve God's will and that God had complete control over his affairs. I never knew a finer person. He was loyal to his people and his name will continue to be a legend in Chihuahua. I'm proud of my friendship with him, it was one of the finest I ever experienced. I consider it a privilege that I was available to assist him in his selection program. He was extremely generous and kindhearted at all times, and when hard pressed by quarantine, drouth and personal illness he never thought of himself. One time I advised him to think more about himself and to consider his own health. He replied rather sharply for the Captain, 'I may not know about cattle (as if he didn't), but I do know about these things!' These things included looking after his people, the Mexican families on the ranch, their school, their health, their personal problems. He was like a father to them and they loved him. They wept when he died and they still say his name in reverence."

Let Vaqueros Name Bulls

The Captain always let his vaqueros name the bulls and they gave them colorful and important names, like Almirante (admiral), Pavo (turkey), Guapo (courageous), Diamante (Diamond), and Indio (Indio). Indio really made a bad name for himself in the fine herd. He was the only bull to produce a red calf. The record of red, spotted or pinto calves in the fine herd is remarkable. Only three red calves have been produced in thirteen years and those three came in the first three years of the program. (These were from an imported bull.)

One day last February Mr. and Mrs. Bean Robinson and their Siamese cat, Chiquita, and the writer headed south from Juarez, Mexico, to the Benton Ranch. Robinson is an old and valued friend of the Benton family who loved the Captain like a brother. He had wanted to take me to the ranch the year before, but it had been impossible to go. Our only regret on this delayed trip was the

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fact that the Captain was no longer "el Patron" of Sueco. Like many pioneer ranchmen he had gone on to join the Great Round-up.

Yet Sueco is still there and the Captain's pretty daughter Margaret was there to greet us with warm hospitality when we reached the rambling adobe ranch house. That day she wore slacks, woolen shirt and leather jacket because the weather was cold and the last of a big snow had scarcely melted. Petite and charming you would not choose this young lady as the manager of a big, money-making Chihuahua ranch. You could better imagine her in a lovely dress presiding over a dainty tea table. But Margaret understands everything about the ranch, as her father carefully taught her through the years. There's no problem too big for her to tackle. In fact, her college career was interrupted several times because her dad needed her on the ranch. She finally went back and graduated from the Texas College of Mines, El Paso, majoring in economics and business administration. The latter training has served her well because she keeps the books on the ranch, and the records of the fine herd. There's no need for Margaret to cook, because there are too many pretty Mexican señoritas ready to do just that on the ranch, who "saben" exceptionally well how to prepare a good meal, especially when they make tortillas their own way—using flour alone!

Margaret is fluent in Spanish and can thresh out her problems with the foremen without difficulty. If an emergency arises she knows how to handle it. It is not unusual for her to take a sick or wounded worker to the Chihuahua hospital in the middle of the night, or to help a native woman in her hour of need. Margaret prepares the pay-roll, buys all supplies, sells cattle, keeps the books and records, and keeps the ranch going. When she gets in a real jam she is not too proud to call on

Bean Robinson for help, or to phone Professor Knox. These two friends will always see her through.

Margaret lives in El Paso with her mother, but spends a great deal of time on the ranch. When not at Sueco, she talks to the foremen in Spanish once or twice daily by radio. In El Paso she occupies her time with the YWCA Board of Directors and the National Society of Arts and Letters. She is active in St. Clement's Episcopal Church which her father loved devoutly and where his funeral services were conducted last July.

Margaret, like her father before her, takes a great interest in the ranch school. From nine to eleven Mexican families live on the ranch, their adobe houses clustered near the Sueco headquarters. Their children need to go to school. The Captain built an adobe schoolhouse and hired a teacher. This program has been in effect many years. The present teacher is an attractive and intelligent woman, Senora Herlinda Carrera. Her pupils number about fourteen. Margaret insists that the teacher instruct the pupils in the basic religious principles of their faith because the nearest Catholic Church is distant and the people cannot attend regularly.

On Twelfth Night a fiesta for all of the workers and their children is held in the schoolhouse. On this exciting evening an orchestra from Chihuahua furnishes music, there is dancing, presents for all, and a big supper. Last year the men were given leather jackets, the women received bedspreads, and the children received toys.

Margaret curls up comfortably in a Mexican chair and talks for hours about the ranch which she loves as much as her father did. She recalled the thrill she had when the third permit to sell cattle across the border after lifting the Aftosa quarantine was handed to her in Chihuahua. "Don't give it to me, give it to my dad," she said excitedly, and ran out to the car and handed him the slip

of paper. Their cattle brought the highest price at the border and the bad days of the epidemic began to fade like a bad dream.

She said there had not been many cattle shows in Mexico in recent years but their cattle had always taken first when shown. "Our ranch has gone through twelve years of drouth but it has continued to make money," she said. "The best test of the ranch after all is one look at the sleek, grass-fed cattle."

"After all, the average cowman wants his cattle to make money under the conditions that he has to operate under," she continued, "and I think the herd my dad developed is a living demonstration of this accomplishment. Our cattle have made money because they had ability to gain weight, ability to produce a large percentage of calves, ability to do well under natural range conditions and to transmit these qualities to their offspring."

As we later drove over the Benton Ranch, Ben Robinson said in his Will Rogers cowboy style, "The Captain unlocked the secret and made money through selection and grading of his cattle. His cattle have been known to gain as much as one hundred pounds per year more than other cattle of high quality."

As we drove across the range following no road, Robinson explained the smaller pasture deal. There are about twenty-five pastures on the ranch and through these pastures the cows are gradually worked back to the headquarters ranch during the breeding season until they are where they should be when the calves are dropped.

We saw several coyotes run through the grass, but these animals are not a big menace to the herds. There are some rattlesnakes, too. There is no pesky growth like mesquite nor cactus to sap the moisture from the grass. The mountains enclosing this valley are volcanic and where this formation is found the grass is usually rich.

Branding is done in the purebred herd every three months and in the commercial herd once a year. During round-up and weaning time, the old chuck wagon is taken out on the range for a week or ten days. This is a colorful season with Mexican vaqueros busy among the cattle. It is reminiscent of pioneer days on many large Texas ranches.

José Ruvalcaba, a jovial Mexican who fills his big saddle very well, is corporal or foreman of the fine herd, and has been with the ranch nearly thirty years. He himself has a small herd of fine cattle. Claro Contreras is foreman of the commercial herd and has been working on the ranch since his teens. These men are happy and content because the Captain encouraged and helped them to get ahead.

Captain Benton and his family pioneered on their Mexican ranches. The country had poor roads when they first went there and getting back and forth to the ranch was a problem. They always put bedding and food in the car

because they might get stuck in the sand, or have a breakdown. Mrs. Benton always accompanied her husband and so did Margaret when not in school. Their first home on the ranch had two adobe rooms, and from those original rooms the rambling ranch house like Topsy, "just grewed." The walls are two feet thick and stuccoed on the outside. The interior is whitewashed, the doors arched and the floors are of tile. Mexican furniture adds to its attractiveness.

A modern highway now runs through Benton Ranch and passes in front of the home, and so does the railroad. Off and on through the day the slow trains pass, going at a snail's pace it seems. The Mexican women still stick their heads from their adobe homes and

look at "el tren," the growling monsters from the northern cities which many of them have never visited.

Captain Benton helped to organize the Chihuahua Cattle Raisers Association. In 1954 he was presented a framed certificate containing his picture in recognition of his work for the Association.

So a saga ends, and a tall, stately, courteous ranchman, much beloved by Mexican and American friends, is no more. But El Sueco will always have the Benton flavor and when fine black cattle are seen on a Mexican range the start may have come from the Benton herds. Such is the Benton ranching heritage. As Professor Knox said, "The thing that made Sueco different was the man."

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Winners in Quarter Horse Show at Santa Rosa Roundup

TOWN CRIER, owned by Paul Curtner, Jacksboro, Texas, was named champion stallion of the Quarter Horse show held in conjunction with the Santa Rosa Roundup at Vernon, Texas, May 7-12. Char-Lin Rocky, owned by Dr. and Mrs. J. N. Stewart, Dallas, was reserve champion.

L. H. Quarter Moon, owned by Phillips Ranch, Frisco, Texas, was champion gelding.

The champion Quarter Horse mare was Barbara Star, owned by R. Q. Sutherland, Kansas City, Mo., with reserve honors going to Vi Irving, owned by George Tyler, Gainesville, Texas.

Judy Burton, 14, of Arlington, Texas, was the big winner in the open cutting horse contest. Riding Calamity Jane, Miss Burton scored a total of 441 points, beating her father, Bob Burton, riding Miss Nancy Bailey, by one point. Tied for third and fourth places were Snooky, owned and ridden by Milt Bennett of Weatherford, Texas, and Marion's Girl, owned by Marion Flynt, Midland, and ridden by Buster Welsh.

Champions in performance classes included: Junior roping, Dusty Way, owned by Mrs. G. F. Rhodes, Abilene, and ridden by Jack Shelton. Senior roping, Mr. Reed, owned by Vernon Young and ridden by Lanham Riley. Junior reining, Dusty Way. Senior reining, Knockie, owned by Roberts Quarter Horse Ranch, Tyler, and ridden by Doc Spence. Junior cutting horse, Chickasha Ike, owned by Leonard Proctor and ridden by J. T. Fisher. Senior cutting horse, Marion's Girl.

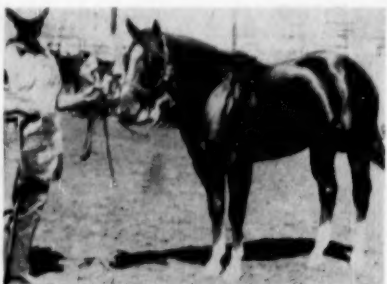
Awards in the halter classes to three places follow:

Stallions foaled in 1955-1956: 1, Coleman Moseley, Hale Center, Texas, on Calipsocoe; 2, R. Q. Sutherland, Kansas City, Mo., on John P. Jones; 3, Bob Hunsaker, Carrollton, Texas, on Brian's Jay.

Stallions foaled in 1954: 1, S. J. Ellis, Wichita Falls, Texas, on Poco Malo; 2, Mrs. Pat Dunning, Carrizozo, N. M., on Romeo Red; 3, Aaron Roper, Vineyard, Texas, on Reto.

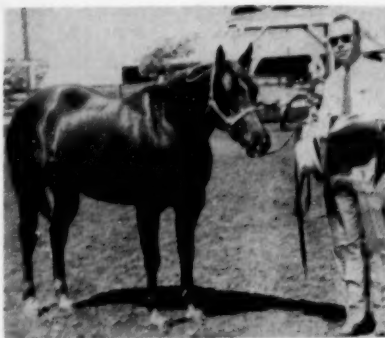
Stallions foaled in 1953: 1, Phillips Ranch, Frisco, Texas, on Pardo; 2, Oscar Dodson, Chillicothe, Texas, on Poco Robin; 3, Mrs. F. E. Simmons, Avery, Iowa, on Lucky Mills.

Stallions foaled in 1952 or before: 1, Paul Curtner, Jacksboro, Texas, on Town Crier; 2, Dr. and



Town Crier, champion Quarter Horse stallion, Santa Rosa Roundup, owned by Paul Curtner, Jacksboro, Texas.

—Cathey photo.



Barbara Star, champion Quarter Horse mare, Santa Rosa Roundup, owned by R. Q. Sutherland, Kansas City, Mo.

—Cathey photo.

Mrs. J. N. Stewart, Dallas, Texas, on Char-Lin Rocky; 3, Phillips Ranch on Cactus Breeze.

Champion stallion: Paul Curtner on Town Crier.

Reserve champion: Dr. and Mrs. J. N. Stewart on Char-Lin Rocky.

Mares foaled in 1955-1956: 1, Jimmie Mitchell, Eldorado, Okla., on Pesky Peggy; 2, Elmo and Jack Caudle, Hale Center, Texas, on Pale Face Jan; 3, Kenneth Wolfe, Vernon, Texas, on Question Mark.

Mares foaled in 1954: 1, Phillips Ranch on Slipper's Lauro; 2, Caudle on Lady Allegro; 3, Faye Bridges, Wichita Falls, Texas, on Bo's Diddy Wa Do.

Mares foaled in 1953: 1, Phillips Ranch on Miss Paulite; 2, Sutherland on Paula Nite; 3, Roberts Quarter Horse Ranch, Tyler, Texas, on Early's Doll.

Mares foaled in 1952 or before: 1, Sutherland on Barbara Star; 2, George Tyler, Gainesville, Texas, on Vi Irving; 3, Vernon Young, Arlington, Texas, on Mital Temple.

Champion mare: Sutherland on Barbara Star. **Reserve champion:** Tyler on Vi Irving.

Produce of dam: 1, Caudle on Snyder's Loceta; 2, Sutherland on Tangerine W; 3, Inman Bros., Lamar, Colo., on entry.

Geldings foaled in 1952 or later: 1, Leonard Proctor, Midland, Texas, on Chickasha Ike; 2, Pinchurst Ranch, Orange, Texas, on Nuggett (Shiny Boy); 3, W. A. Watts, Archer City, Texas, on Amigo Snooks.

Geldings foaled in 1951 or before: 1, Phillips Ranch on L.H. Quarter Moon; 2, Pete Cargal, Blair, Okla., on Little Tom B. Traveler; 3, Clyde Bauer, Bloomington, Texas, on Snipper W.

Champion gelding: Phillips Ranch on L.H. Quarter Moon.

Get of sire: 1, Sutherland on Paul A.

PERFORMANCE CLASSES

Roping Horse Division (junior): 1, Mrs. G. F. Rhodes, Abilene, Texas, on Dusty Way; 2, Charles Schroeder, Windthorst, Texas, on Bill Brown.

Roping Horse Division (senior): 1, Young on Mr. Reed; 2, Junior Vaughn, Kenna, N. M., on Cherokee Mac.

Reining Horse Division (junior): 1, Mrs. G. F. Rhodes on Dusty Way; 2, Jim Weymouth, Master-son, Texas, on Bueno Wey.

Reining Horse Division (senior): 1, Roberts Quarter Horse Ranch on Knockie; 2, Chuck Ritchey, Electra, Texas, on Electra Barnett.

Cutting Horse Division (junior): 1, Proctor on Chickasha Mike; 2, Phillips Ranch on Cactus Breeze; 3, Pinchurst Ranch on Nuggett (Shiny Boy).

Cutting Horse Division (senior): 1, Marion Flynt, Midland, Texas, on Marion's Girl; 2 and 3, tied, Bob Burton, Arlington, Texas, on Miss Nancy Bailey and H. R. Burden, Ennis, Texas, on Skeeter Conway.

The accelerated state-federal program for control of bovine brucellosis is given much of the credit for reducing the incidence of brucellosis in cattle from 11.5 per cent to 5 per cent.



Dr. Ray M. Anderson

Dr. Ray M. Anderson Joins Vit-A-Way

DR. RAY M. ANDERSON has joined the Research Division of VIT-A-WAY, INC., manufacturers of Livestock Fortifier and Free-Choice VIT-A-WAY Supplement, used by feed manufacturers, feed mixers, ranchers and dairymen.

Dr. Anderson is well known in the livestock circles as an authority on feeds and feeding. He was for eight years on the faculty of the University of Minnesota, heading a department on animal nutrition. For the past two years, he has been head of the Research Department of Burrus Mill & Elevator.

New Caterpillar Plant

CATERPILLAR Tractor Company with headquarters at Peoria, Ill., May 21, dedicated its new plant at Decatur, Ill., the fifth major addition to the company's manufacturing facilities since the end of World War II.

The Decatur plant will produce Caterpillar motor graders and wheel tractors and has 3,000 employees. The new plant will free the Peoria facilities for full production of diesel engines and crawler tractors.

Harmon S. Eberhard, president of the company, stated that the reason for building the plant was that the demand for the company's products exceeds the capacity to produce them.

Caterpillar domestic manufacturing facilities are now located in Decatur, Joliet and Peoria, Illinois; York, Pennsylvania and San Leandro, California. Trackson Company, a wholly-owned subsidiary, maintains its office and plant at Milwaukee, Wisconsin.

In addition to these domestic plants, Caterpillar subsidiaries in Australia, Brazil and Scotland either have new plants under construction now or will have in the near future.

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Aberdeen-Angus Cattle Continue to Show Rapid Strides in Texas

Lone Star State Ranks Fourth in Numbers of all Registered Angus in United States—Noteworthy Increase in Commercial Cattle Numbers

By FLYNN W. STEWART
President, Texas Aberdeen-Angus
Association

ABERDEEN-ANGUS cattle continued their expansion in Texas during the past year, with the state rated fourth in numbers of all registered Angus in the United States.

In addition to the more than 10,000 head of the breed registered in the Lone Star State by the American Aberdeen-Angus Association in 1955, a most noteworthy increase in numbers was made in commercial cattle.

The breed has been widely accepted by commercial ranchmen since its beginning in Texas, shortly before the turn of the century. However, not many of the black, polled cattle were in the state before 1940 and considering only 15 years of concentrated effort, the breed has made rapid strides.

Today, ranches in all parts of the state have commercial Aberdeen-Angus cows producing beef. Ranchers have found them to be hardy and their calves grow well and develop into an animal that is sought after by both stocker and feeder buyers.

Ranchers using Aberdeen-Angus cows have a good supply of breeding stock close at hand, since the registered breeders in the state are producing the kind of bulls that the commercial cowman needs to produce beef profitably. With the combination of an unlimited commercial production and availability of good range bulls, the future is bright in Texas for still larger numbers of Aberdeen-Angus cattle.

The Texas Aberdeen-Angus Association, organized in 1936, along with the efforts of the American Aberdeen-Angus Association, has played an important part in the development of the breed in Texas. The state association now has its headquarters in Fort Worth. Membership is about 1,000, compared to 40 members in 1944. The great majority of the present membership is made up of registered breeders only, upon whom a much larger number of commercial cowmen are dependent for bulls and other breeding stock.

First Sale Held in San Angelo

One of the things the state association has done to promote interest in Aber-

deen-Angus cattle among ranchers is to help sponsor feeder calf and stocker cow sales in various parts of the state. The first of these was held in San Angelo in 1944. Known as the San Angelo distribution sale of commercial females, the sale has been held successfully each year since 1944, and almost 3,000 head have been sold each year during the past five years. In 1955 this sale had 2,853 head that sold for an average price of \$110.

Feeder calf sales also had their beginning in San Angelo in 1950 and have since been held at Wichita Falls, Mt. Pleasant, Amarillo, Fredericksburg, Fort Worth and San Antonio. Several range bull sales have been held under the sponsorship of the association and more recently stocker cow and calf sales have been started. Several feeder calf sales are scheduled for this summer and fall, and indications are that more cattle will be marketed through these sales in view of the excellent prices paid for cattle in past sales of this kind.

Officers of the Texas Aberdeen-Angus Association are Flynn W. Stewart, Wichita Falls, president; Herman Allen, Menard, first vice-president; Stewart Sewell, Jacksboro, second vice-president, and Glenn L. Tole, Fort Worth, secretary-treasurer.

All progressive cattlemen read

The Cattleman



Knockie, champion reining Quarter Horse, Santa Rosa Roundup, owned by Roberts Quarter Horse Ranch, Tyler, Texas and ridden by Doc Spence.

—Cathey photo.

*There is no death. The stars go down
To rise upon some other shore.
And bright in Heaven's jeweled crown
They shine forevermore.*

J. L. McCreery

William D. Conner

William D. Conner, Knox County pioneer, died May 8 at the age of 86. He had been a resident of Benjamin since 1917. Survivors include his wife; four daughters, Mrs. H. T. Hall, Mrs. M. G. Nunley, Mrs. Hugh Kindrick and Mrs. Thomas R. West, all of Benjamin; two sons, Cecil Conner of Benjamin and Alva Conner of Weatherford; 23 grandchildren and seven great-grandchildren.

Paul D. Mersfelder

Paul D. Mersfelder, one of the Pioneers of New Mexico, died in El Paso, Texas, March 5 at the age of 78. He was reared on a small farm in East Texas and as a young man, in 1895, worked as a ranch hand on the big cattle ranches in West Texas. Later he and his brothers started the town of Bovina by opening a mercantile business to supply ranchers with everything from mercantile goods to lumber, and also operated a cattle shipping business when Bovina was known as the largest cattle shipping point in the United States. Later, when it was decided to build a town on the

present site of Clovis, he went there and opened the one and only transportation business in town. Later he served for many years as a government cattle inspector for eastern New Mexico, with headquarters at Clovis, Portales and Lovington. He came to El Paso in 1938, where he resided until his death. He is survived by his wife; two sisters, Mrs. Loma Brown, Artesia, New Mexico, and Mrs. Alice Curtis, Monon, Indiana, and two brothers, Louis C. of Oklahoma City and Philip J. of Clovis, New Mexico.

S. S. Bundy, Sr.

S. S. Bundy, Sr., pioneer Roosevelt, Texas, ranchman, died April 26 at the age of 70. Bundy had been a resident of Kimble county since 1909 and owned extensive interests in Sutton and Kimble counties. He ran high-quality Hereford cattle and in 1919 began raising Rambouillet sheep. Survivors include his wife; a son, S. S. Bundy, Jr., publisher of the Devil's River News, Sonora; three daughters, Mrs. Wright Hallfrisch, Mrs. A. L. Wade and Mrs. Carroll McPherson, all of Austin; and eight grandchildren.

Ben L. Walters

Ben L. Walters, early-day Indian fighter and cattleman, died May 4 in Lubbock, Texas, at the age of 96. Walters was born in Alabama and moved to Texas with his parents when he was seven years old. His parents later settled with Silas Parker, whose daughter, Cynthia Ann, had been abducted by the Kiowa Indians

in 1836. After it was learned that Cynthia Ann had been reared by the Indians and had become the wife of the high chieftain, Nakoni, and given birth to Quanah Parker, the last of the Comanche chiefs, Walters participated in several attempts to secure her release. However, Cynthia Ann and Quanah Parker did not return to civilization until after Nakoni died. Survivors include four nephews, Walter and M. D. Altman, Lubbock; Ben Altman, Post, and M. C. Altman, Amarillo; and four nieces, Mrs. Willie Turner, Merkel; Mrs. Dee Kirk, Anton; Mrs. Artie Davidson, Corsicana, and Mrs. Julie Williams, Fabens.

Dean Jordan G. Lee

Dean Jordan G. Lee of Louisiana State University died last month. The 70-year-old teacher administrator was to retire June 30 after having served as the dean of the College of Agriculture for 25 years. His successor, Dr. J. Norman Efferson, director of the LSU Agricultural Experiment Station, had been named by the board of supervisors last December.

S. Bass Arnett

S. Bass Arnett, early-day West Texas cattleman, died April 24 in a Hugo, Oklahoma, hospital at the age of 73. Arnett went to the South Plains of Texas in 1907 and managed the Spade Ranch, near Lubbock, for many years. He also ranched in the Santa Rosa, N. M., area before moving to Hugo. Arnett was born in Burnett county, the son of the late

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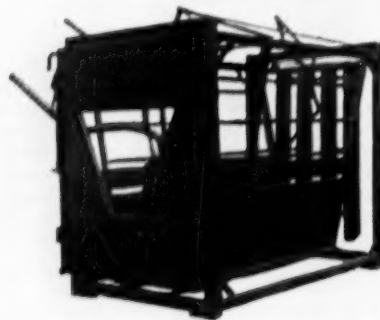
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Mr. and Mrs. George M. Arnett, early day West Texas ranch couple. He is survived by his wife and a son, Howell, both of Hugo, two brothers, Tom and Albert Arnett, both of Lubbock; two grandchildren, Bill Elwood Arnett of Big Lake, Texas, and Betty Arnett of Hugo, Okla., and one great grandson, Billy Howell Arnett of Big Lake.

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Ira Reginald Lockett

Ira Reginald Lockett, stockfarmer and rancher of Eden, Texas, died April 24 at his home at the age of 60. Lockett was born in Brown county and had been a resident of Eden since 1901. Survivors include his wife; a daughter, Mrs. T. C. Thorn of Eden; four brothers, Luster, Wyatt, Vernon and Gene Lockett, all of Eden; and a sister, Mrs. Ethel Walker of Eden.

Mrs. Emma Freeman Guiberteau

Mrs. Emma Freeman Guiberteau, wife of Raymond J. Guiberteau, owner of the Texas Cotton Company, Houston, died recently in a Galveston hospital after a brief illness. A native of Slidell, Texas, she had been a resident of Webster for the past 20 years. Other survivors include her mother, Mrs. Mattie Freeman of Duncan, Oklahoma; two brothers, Horace H. Freeman of Texhoma, Oklahoma, and Neal Freeman of Dalhart; and two sisters, Mrs. Virginia McDonald of Duncan and Mrs. Oce Smith of Wichita Falls, Texas.

J. W. Morrison

J. W. Morrison, early-day Texan, died recently in Albuquerque, N. M., at the age of 86. Morrison moved from Young county, Texas, in 1900, settling near Portales. He moved to Albuquerque in 1935. He is survived by his widow; three sons, Richard of Albuquerque, Jack of Roswell and Dick Morrison of Carlsbad; a daughter, Mrs. Walter Lowe, Albuquerque; ten grandchildren, three brothers and five sisters.

Jefferson H. Fowler

Jefferson H. Fowler, early day trail driver and rancher, died March 23 at his home in Lockney, Texas, at the age of 77. Fowler was born in Mississippi and came to Texas in 1879. He drove cattle up the old Chisholm trail for several years and ranched in the Indian Territory until 1905 when he came to Lockney and engaged in wheat farming. He is survived by four sons, Luther, Lockney, Texas; Clay, Silvertown; Jeff, Jr., Pasadena, and Reginald, Dumas; two daughters, Mrs. V. B. Fox, and Mrs. Ruby Reid, Canyon, Texas; many grand children and nine great-grandchildren.

Sam Butman, Jr.

Sam Butman, Jr., pioneer Taylor county sheep and cattleman, died May 10 at his home in Merkel, Texas, at the age of 93. The Butman ranch is among the oldest established ranches still in operation in the county. Butman served as director of the Farmers & Merchants Bank at Merkel for 30 years, resigning in 1953. He is survived by ten children.

William Oliver McFall

William Oliver McFall, early day cowboy and rancher, of Quitaque, Texas, died May 8 at the age of 96. McFall had lived all of his life in Texas and had worked for some of the large cow outfits on the open range. He was associated with the

Matadors and the Spirs and later on operated his own ranches in the Snyder and Clairemont country. Survivors include his wife, of Quitaque; two sons, Joe McFall of Los Angeles, Calif., and Sid McFall of Quitaque; five daughters, Iva Denton of Lovington, New Mexico, Evelyn Ruark of Grand Junction, Colo., Viola Osman of Petersburg, Ione Rogers of Clairmont and Ava M. Hawkins of Quitaque; 15 grandchildren and 19 great-grandchildren.

George Calvin Skelley

George Calvin Skelley, 57, Cimarron county, Oklahoma, cattleman and rancher, was killed April 19 in a motor car accident south of Raton, N. M. Skelley had spent his entire life on the ranch on which he was born. After the death of his father in 1926 he and his mother managed the ranch. He had been county commissioner since 1949. Survivors include his wife; a son, George Jr., of the home; four daughters, Mrs. Helen Baker of Boise City, Okla.; Nell, Amelia and Elaine Kay, of the home; two sisters, Mrs. Lucy Cochran of Albuquerque, N. M., and Mrs. Francis Murdock of Dalhart, Texas.

A. L. Haegelin

A. L. Haegelin, pioneer rancher and farmer of Medina county, died at his home in Hondo, Texas, on May 15 at the age of 77. He acquired state land at the age of 17 and lived on it until four years ago when he retired from active ranching and moved to Hondo. His grandfather was a member of the Henry Castro colony which settled what is now Castroville. He is survived by his wife, Mrs. Louise Riff Haegelin; six sons, H. B. of San Diego, Albert of Hondo, Joe of Tyler, and three daughters, Mrs. J. F. Wurzbach of San Antonio, Mrs. John H. Meyer of Hondo and Mrs. Ransome Reynolds of San Antonio. Other survivors are 15 grandchildren, one great-grandchild and one brother, Robert, of San Antonio.

Gregg Laurence

Gregg Laurence, 74, rancher of Matagorda county for 32 years, died May 16. Laurence, who with his wife had lived at their Sugar Valley ranch home during these years, had suffered a severe heart attack several months ago, but was apparently in fair health and able to be up and about as usual at the time of his death. He is survived by his wife, Mrs. Allen Laurence of Sugar Valley; one son, Ira of Bay City; two granddaughters, Laura Dell and Sandy of Bay City.

Veterinary medical authorities say that mastitis infection in beef cows is important because it deprives them of doing the two major jobs that they must do to be profitable to their owners: they cannot produce a healthy, good grade weanling calf and they will not yield a good grade of beef when they go to market.

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The Cattleman

Underwood Quarter Horse Sale

SUMMARY		
8 Stallions	\$12,085; Avg.	\$1,511
18 Mares	29,450; Avg.	1,636
26 Head	41,535; Avg.	1,597

BUYERS from seven states paid a near record-high average for Quarter Horses sold at auction at the Underwood Quarter Horse sale held at Wichita Falls, Texas, April 28. The offering of 26 head by R. L. Underwood, one of the pioneers in Quarter Horse breeding, sold for an average of \$1,597.

The sale featured the blood of Dexter, Golden Chief, Silvertone and other top stallions. Top selling horse of the sale was Romeo Dexter by Dexter by Golden Chief. This seven-year-old stud sold to Paul Grafe of Santa Paula, Cal., on a bid of \$4,500. Cutter Bill, a 1955 stud by Buddy Dexter sold for \$2,500 going to Rex C. Cauble of Houston, Texas. Ross Bentley of Shields, Kan., bought Chief Flight, a two-year-old by Top Flight, on a bid of \$1,575.

Top selling mare of the sale was Dimple Dexter, a 1942 foal by Dexter, that sold to Pat Dunning of Carrizozo, N. M., for \$2,900. E. Paul Waggoner of Vernon, Texas, paid \$2,625 for Double Rita, a 1952 foal by Dexter. Milly Dexter, another 1952 Dexter foal, sold to H. H. Darks of Wetumka, Okla., on a bid of \$2,375.

The offering went to buyers from California, New Mexico, Utah, Illinois, Oklahoma, Kansas and Texas.

Hank Weiscamp was the auctioneer.

Champions in Quarter Horse Show at San Angelo

JIM NANCE, owned by John Dublin, Barnhart, Texas, was named champion stallion in the Quarter Horse division of the Tom Green County Sheriff's Posse Horse Show held at San Angelo May 5. Jess Koy, Eldorado, Texas, showed the champion mare, Patsy K.



Calamity Jane, winner of the open cutting horse contest, Dallas Quarter Horse show, owned and ridden by Judy Burton, Arlington, Texas.—Cathey photo.



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Champions at Fort Worth Hereford Stocker-Feeder Sale

Champion pen of heifers owned by Rancho De Paz, Perrin, Texas. From left to right are Jeff Slocum, Cresson, judge of the cattle; Jim Herring, manager of Rancho De Paz and Bill Few of the National Commission Company who handled the cattle.



Steers Sell Up to \$23 Cwt. In Fort Worth Hereford Sale

MORE than 3,700 head of cattle were sold on the Fort Worth Stockyards in connection with the Hereford stocker and feeder sale held May 11 with prices from 50c to \$2 per cwt. above current values.

Many buyers were on hand for the event and the demand for cattle was in excess of the supply.

The W. T. Waggoner Estate, Vernon, Texas, sold about 900 steers and 1,100 heifers which was the largest shipment of cattle received on the Fort Worth Stockyards from one ranch on the same day in recent times. The Waggoner cattle were purchased by John Berns of Kansas, one of the many out-of-state buyers in Fort Worth for the event. He paid \$17.60 for the steers and \$16.25 for the heifers.

Rancho De Paz of Perrin, Jack county, Texas, under the management of Jim Herring, had both the champion pen of steers and heifers and took the top money of \$23 for the steers and \$21.50 for the heifers of all cattle in the sale. Whitt Thompson and Son of Snyder, Texas, sold the reserve champion pen of 10 heifers for \$20.50. The reserve champion pen of 10 steers, also owned by Rancho De Paz, sold for \$22.50. Both champions were pens of 20 head. Most of the better steers sold from \$17 to \$19 and heifers from \$15.50 to \$18.50.

Judges were A. H. Brackeen and Emory Birdwell of Palo Pinto, Quincy Corbett, Breckenridge; Kirk Edwards of Henrietta, Durwood Lewter of Lubbock and Jeff Slocum of Cresson.

The sale was sponsored by the Texas Hereford Association and the Fort Worth Livestock Market Institute and the cattle were sold through commission companies as they normally are.

The winners by classes are as follows:

Pen of 10 steer calves: 1, Rancho De Paz; 2, H. C. Thompson, Ranger; 3, O. C. and E. C. Rosson, Milford.

Pen of 20 steer calves: 1, Rancho De

Paz; 2, W. W. Porter, Bowie; 3, Tom Blanton, Kent county.

Pen of 40 steer yearlings: 1, W. T. Waggoner Estate; 2, Charles O'Conner, Dallas; 3, Bill Waggoner, Mesquite.

Pen of 10 heifer calves: 1, Whitt Thompson; 2, O. C. and E. C. Rosson; 3, J. R. Black Estate, Granbury.

Pen of 20 heifer calves: 1, Rancho De Paz; 2, W. R. Goldstein, Graham; 3, Vernon Carr, Brooksmith.

Pen of 40 yearling heifers: 1, Mrs. Frank Talbot, Farmersville; 2, Mrs. Frank Talbot.

Feeding Practices Ready for Distribution

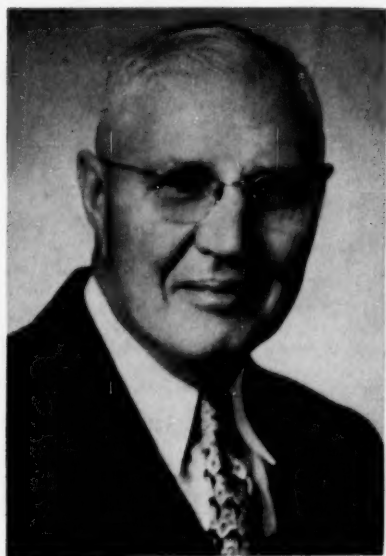
THE 1956 edition of FEEDING PRACTICES, published annually by the National Cottonseed Products Association as a service to livestock and poultry producers, pays tribute to those whose successful experience helps to guide the progress of practical production.

"Successful experience serves, not to restrict us to methods of the past, but rather as a living guide and inspiration for the future and a worthy measure of the value of new practices," says A. L. Ward, National Cottonseed Products Association educational director, in announcing the new edition of the bulletin.

The bulletin points out that the cattle industry, loyal to great traditions molded by the self-reliant hands of successful experience while eagerly seeking new information of proved value, typifies the never-ceasing progress that is born of faith, knowledge, and diligence.

The 40-page bulletin gives specific feeding recommendations for each class of livestock. Feeding pictures are used liberally to illustrate suggested feeding and management practices. The cover is printed in color.

Readers of THE CATTLEMAN may obtain free copies of the bulletin from cotton oil mills or by ordering direct from the Educational Service, 618 Wilson Building, Dallas 1, Texas.



Dr. Hubert A. Schmidt

Dr. Hubert A. Schmidt of Texas A & M Honored

ONE of Texas' great men of veterinary science, Dr. Hubert A. Schmidt, was honored by associates at a dinner in Bryan, May 14, prior to his retirement as an employee of The Texas A. & M. College System on June 1.

Dr. Schmidt had served the Texas Agricultural Experiment Station and the Texas A. & M. College School of Veterinary Medicine for 43 years.

A 1908 graduate of Texas A. & M. College, he received his doctor of veterinary medicine degree from the Royal Veterinary School of the University of Berlin, in 1912, and was first employed by the Texas Agricultural Experiment Station as a research veterinarian on January 5, 1913.

With the late Dr. Mark Francis, who at that time was director of the Station, Dr. Schmidt worked on the problem of Texas tick fever, and for some 20 years was in charge of experiments in veterinary science.

Performance-Tested Angus Bulls Top at \$395

SUMMARY

28 Angus Bulls	\$5,600;	Avg.	\$200
22 Angus Females	3,674;	Avg.	167
50 Head	9,274;	Avg.	185

AN AUCTION sale of performance-tested Aberdeen-Angus bulls and females was held in conjunction with a field day at the Bluebonnet Experiment station, McGregor, Texas, featuring the weight-for-age experiments being conducted there on all breeds of cattle.

Meadow Lark Angus Farm, Cleburne, Texas, paid \$395 for Prince Quality E 2d, a December, 1954, son of Alfords Quality Prince, consigned by Bluebonnet Angus Farm, Paris, Texas, to top the

sale. His rate of gain for a 140-day period was 2.7 pounds per day.

Commercial breeders took a major part of the offering of the tested bulls and cattle sold into Texas and Oklahoma.

The top female sold to Schmidt Bros., McGregor, Texas, on a bid of \$310. She was Bradford Edwina 3d, and was consigned by Clyde R. Bradford, Happy, Texas.

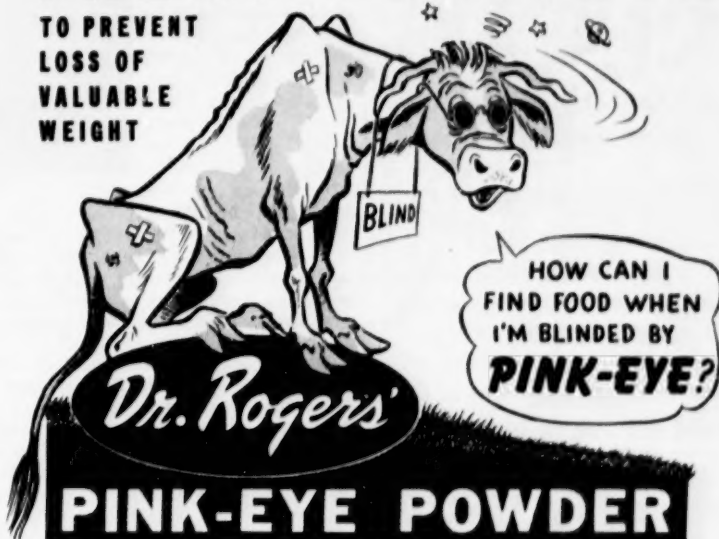
Two bulls, Bandolier Lad of Yukon,

consigned by Hal Owen, Yukon, Okla., and Black Knight of Heatherly, consigned by C. A. Heatherly, Richland Springs, sold for \$300 for the second top. J. D. Vogt, Yukon, and Mrs. Hazel Heatherly, Richland Springs, were the buyers.

Gleannloch K. Pride, a Douglas B. Marshall, Houston, consignment, was the second top female, selling to Chenango Plantation, Angleton, Texas, for \$290.

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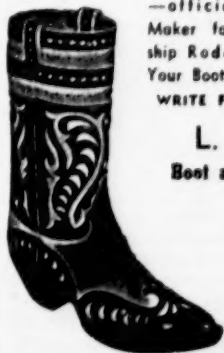
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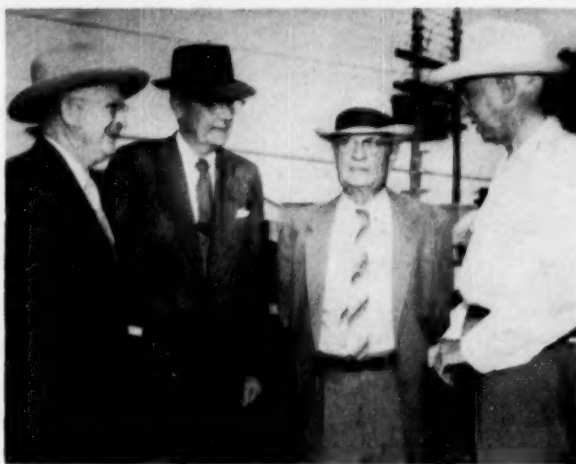


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The Cattleman

Hoblitzelle Award to V. C. Marshall



Left to right: Dr. C. L. Lundell, director of Texas Research Foundation; J. B. Thomas, president of Texas Electric Service Company; V. C. Marshall, who received the award; Karl Hoblitzelle.

V. C. MARSHALL, who led the farmers of Texas and the nation in an historic campaign to achieve self-government in their local Soil Conservation Districts, is winner of the 1956 Hoblitzelle Award for the Advancement of Texas Rural Life.

The presentation climaxed the activities of Texas Research Foundation's Annual Field Day and Awards Dinner held at Renner, Texas, May 23 which drew an estimated 3,000 businessmen, farmers and ranchers. The award consists of \$5,000 cash and a gold medallion.

Marshall was judged by members of a State Awards Committee to have been the "Texan who has made the most notable contribution for the advancement of agriculture in the state in the three years from January 1, 1953, to December 31, 1955." The award is alternated every third year between an agricultural scientist, a practicing farmer or rancher, and a professional worker in agriculture. Marshall, as executive director of the State Soil Conservation Board, was a professional worker in agriculture.

Gulf Coast Angus Sale Makes \$1075

SUMMARY

11 Bulls	\$ 3,245; Avg.	\$295
63 Females	16,495; Avg.	259
74 Head	19,740; Avg.	266

CONSIGNMENTS to the Gulf Coast Angus sale, held May 5 at Brookshire, Texas, met good demand from buyers in that area, and a top of \$1,075 was made on D. H. Queenolier, a 1954 heifer consigned by Arrow M Ranch, Schulenburg, Texas. She sold to Bill Clark, Houston, and was bred to Arrow M's Black Prince, son of the 29th.

The sale was held on the Chester Jordan Angus farm and was sponsored by the Texas Aberdeen-Angus Association, Glenn Tole, secretary. Douglas Marshall, Houston, took a Dunraven Ranch consignment, Dunraven Purepride, the grand champion junior show heifer at the Houston Fat Stock Show, on a bid of \$1,025 for the second top price. She was a 1954

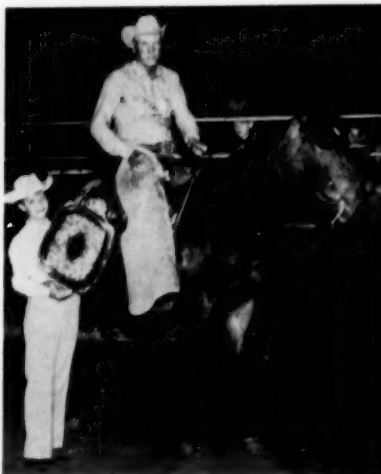
daughter of Gregory of Auldich and sold bred to a son of Prince Sunbeam 328th.

The top-selling bull, Gregory of Dunraven 28th, sold to Dr. Harvey Renger, Hallettsville, Texas, for \$775. He was a two-year-old son of Gregory of Auldich and was also consigned by James Tucker's Dunraven Ranch. David Bentliff, Houston, was the major buyer at the sale, taking several lots, topped at \$635 for Eisa Energy H., a Mecom Ranch, Hitchcock, Texas, consignment.

Ray Sims, Belton, Mo., was the auctioneer.

Hereford Stocker-Feeder Sale at San Antonio

THE special Hereford Stocker-Feeder Sale held at the Union Stock Yards, San Antonio, April 26, was an outstanding success with nearly 2,500 head sold. This is the first such sale to be held at San Antonio



Ada K Browder, champion cutting horse, Dallas Quarter Horse show, owned by Magers & Burton, Arlington, Texas; ridden by Bob Burton.—Cathey photo.

and was sponsored by the Texas Hereford Association in cooperation with the commission companies and the Union Stockyards Company.

Sellers, for the most part commission company salesmen and officials of the Texas Hereford Association, were pleased with the number of head sold as well as prices paid. Market Reporter for the United States Department of Agriculture quoted the market as active, strong to unevenly 50c to \$1.00 higher than early in the week. Light calves sold up to 21c with Choice yearlings going to feeders at prices up to \$18.50.

There was a large crowd on hand to witness the showing and selling. Steers and heifers were shown in classes of 10, 20 and 40 head. Winners were awarded attractive rosettes with champion groups receiving plaques. Many farmers and ranchers attending the sale as spectators indicated they would be on hand with some cattle at such future sales. A good number of the consignors for this sale said they would be back. One consignment consisted of 350 head.

The majority of cattle sold were shipped to the Corn Belt for further grazing and fattening. Six prominent Southwest Texas cattlemen judged the cattle. They were: Ewing Halsell, Gus Lowrance and Les Flowers, Sr., San Antonio; John C. Eckert, Art; Damon White, Carrizo Springs, and Willis Barfield, Cuero. Henry Arledge, Seymour, President of the Texas Hereford Association and R. J. Roeder, Jr., Yorktown, First Vice President were on hand and assisted Henry Elder, Secretary-Manager of the Association with details of the show and sale.

First prize winners in the various classes judged were: Pen lots of ten steers, Ralph Ellis, Beeville, Texas; pen lots of 20 steers, L. W. O'Connor, Victoria, Texas; pen lots of 40 steers, Catto and Gage, Marathon, Texas; pen lots of 10 heifers, M. Schuchart & Son, Rio

Medina, Texas; pen lots of 20 heifers, Ard Richardson, San Antonio, Texas; pen lots of 40 heifers, Pettus and Bode, Goliad, Texas.

Bluebonnet Experiment Station Holds Annual Field Day

THE annual field day at the Bluebonnet Experiment Station, McGregor, Texas, held April 27, was attended by some 600 cattlemen who showed considerable interest in the progeny testing being carried out under the sponsorship of Texas A & M College.

The experiments, which were conducted in an effort to determine the inheritability of gaining tendencies in beef cattle indicated to the visitors that the ability of cattle to gain weight efficiently is passed on to their progeny.

The top gaining bulls that were on the 140-day feeding period were two Santa Gertrudis owned by Frank Schuster, San Juan, Texas, and the Hi-Lo Ranch, Livingston, Texas. Both of these animals made a daily gain of 3.5 pounds.

The top gaining Hereford bull, owned by the Bluebonnet farm, made a gain of 3.3 pounds per day and was the son of Bluebonnet 685, that was the high gaining bull in the 1951 test conducted at Bluebonnet station. His grandsire was the top gainer at the Balmorhea station in 1950. T. C. Cartwright, animal husbandman who worked on the tests, used the record of this animal as proof that cattle inherit gain characteristics.

Top gaining cattle in other breeds represented were the top Charollaise, 3.2 pounds per day; top Brangus, 2.9 pounds; top Charbray, 2.6 pounds, and the top Angus, 2.7 pounds. It was stated by Cartwright that the top animals in all breeds varied less than the low and top animals within any particular breed.

Biorseth Registered Hereford Herd to Mibermel

M. "MIKE" MELTZER, owner of Mibermel Hereford Ranch, recently purchased the entire herd of registered Herefords formerly owned by Mr. and Mrs. A. W. Biorseth of Hope, Ark. The Biorseths have been breeding Herefords since 1931. The herd consists of 287 head and includes four herd bulls used by the Biorseths: WCR. Royal Rupert 57 by T. Royal Rupert 77th, MW. Prince Larry 54 by MW. Larry Domino 37, LK. Zato Heir 63 by TR. Zato Heir 89, M. Brilliant Zato by TR. Zato Heir 213.

This will make Mibermel one of the largest breeders of Herefords in Louisiana.

Research has found that leptospirosis can't be spread through milk since undiluted milk rapidly kills *Leptospira*, the causative agent. In a study of milk from cows, goats and human beings, the anti-leptospiral principle was found mainly associated with casein.



Mr. Reed, champion roping horse, Santa Rosa Roundup, owned by Vernon Young, Arlington, Texas, and ridden by Lanham Riley.

—Cathey photo.

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Livestock Markets Review

Price Range at Fort Worth, Houston, San Antonio and New Orleans During Past Month

FORT WORTH Receipts of cattle and calves on the Fort Worth Livestock Market during the first three weeks of May were very light, but picked up sharply during the fourth week. Compared with May a year ago, receipts in the cattle yards were much lighter and sheep dropped off about 39,000 head, but hog receipts show a liberal increase over a year ago.

Most areas of the state received fairly good rains early in the month, but dry hot weather prevailed the past two weeks. The dried up pastures apparently have been the main factor in the increased receipts toward the latter part of May.

Prices during the fourth week of May compared with a month ago show good and choice slaughter steers and heifers selling steady. Utility and commercial grades were 50c-\$1.00 lower. All cows were steady and bulls 50c lower. Slaughter calves were mostly steady with some commercial grades 50c-\$1.00 lower. Most stocker and feeder steers and yearlings were steady. Best stocker and feeder calves were a little higher and other grades weak to lower.

Light weight steers and heifers predominated in the cattle yards this month. Most good and choice slaughter steers and heifers cleared recently from \$17.00-19.00, with choice grades \$19.50-20.75. Experiment Station choice yearlings reached \$21.25 and low prime 1,064

pound steers also reached \$21.25. Utility and commercial steers and heifers sold from \$11.00-15.00 and cutter grade \$10.00 down.

Commercial cows continue scarce, a few selling from \$12.25-13.25. Utility cows sold largely from \$11.00-12.00. Cannerns and cutters ranged from \$7.50-11.00, a few shelly cannerns under \$7.50. Commercial bulls sold up to \$14.50 early in the month and turned recently from \$13.50-14.00. Cutter and utility bulls cleared from \$10.00-13.25.

The very light supply of choice slaughter calves bulked recently from \$20.50-21.00, a few lots around and before the middle of the month to \$21.50. Good grades sold from \$16.00-20.00, with utility and commercial \$10.00-14.00 and culls under \$10.00.

Good and choice grades of stocker and feeder cattle and calves were in demand. Good steers and yearlings moved from \$16.00-18.00, with choice grades scarce. Some choice stocker calves reached \$20.50 and thin lightweight heifer calves \$17.25. Medium stocker calves and yearlings predominated, these moving from \$13.00-15.00. Most heifer calves sold from \$16.00 down and stocker cows from \$10.00-12.00.

Butcher hog prices advanced the past two weeks and recent sales were 75c higher on butchers compared with a month ago. Sows were 50c higher. This months top up to May 23 was \$17.25 paid May 21, or the highest since last September. Packers bought some of the butchers this month and are paying best prices for 200-245 lbs. Hogs averaging under 190 lbs. are not wanted and recent sales of 155-185 lbs. ranged from \$11.00-15.50, Sows sold from \$11.00-13.00.

About 50 per cent of the sheep and lambs offered this month were shorn lambs and 40 per cent spring lambs. Recent prices paid for spring lambs were about the same as a month ago and shorn slaughter lambs were \$3.50 higher. Slaughter ewes and feeder shorn lambs were steady and stocker spring lambs \$1.00 higher. Good and choice

slaughter spring lambs sold recently from \$20.00-22.00, some early in the month to \$27.50. Good and choice shorn slaughter lambs ranged from \$20.00-22.50. Shorn aged wethers \$13.00 down and slaughter ewes \$4.00-5.00. Stocker spring lambs moved from \$14.00-16.50 and shorn feeders \$12.00-15.00.

SAN ANTONIO Most classes of cattle showed slightly higher prices in trading on the San Antonio market during May than at the close of the preceding month. Slaughter steers and heifers, especially steers weighing around 800 lbs., sold strong to 50c, instances \$1.00 higher. Lighter weight steers and heifers cleared at 50c-\$1.00 higher and cows were 25c-50c up. Slaughter bulls sold generally steady. Advances of up to \$1.00 were noted in slaughter calves.

A spread of \$18.00-20.00 took the bulk of fed steers and heifers grading good to low choice. Loadlots 1,133 lb. good steers cashed at \$18.50. Commercial to good lots of yearlings scaling 550-750 lbs. rated \$16.75-18.00 with strictly grass offerings in the utility and commercial grades going at \$14.00-16.50. Choice cattle were scarce.

Scattered young commercial cows sold up to \$14.00, occasionally higher, with the bulk utility to low commercial cows ranged \$11.00-13.50. Cannerns and cutters centered at \$8.00-11.00, loadlots mixed selling frequently at \$9.50-10.00. Individual 1,300-1,800 lb. commercial bulls scored \$14.75-15.00, but the bulk utility and commercial bulls in all weight ranges rated \$13.00-14.50, cutters ranging down to \$11.50.

Small offerings of high good and low choice slaughter calves moved in a \$20.00-20.50 spread with the bulk of offerings grading commercial and good selling at \$17.00-19.50. Mixed lots utility and commercial calves took \$14.00-16.75, mostly upward from \$14.50.

A range of \$18.50-20.00 took the few good and choice stocker steer calves offered during the period. Bulk medium and good steer calves ranged from

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\$15.00-18.00. Medium and good around 750-775 lb. two-year-old steers in load-lots cashed at \$17.00, while common and medium mature stocker and feeder steers ranged \$12.00-15.50. Medium and good heifer calves and yearlings cleared mostly at \$14.00-16.50. A few good cow and calf pairs rated \$130.00-150.00 but most pairs were common and medium and sold at \$75.00-125.00 per pair.

Hog prices at San Antonio followed the trend at other major markets during the month and showed a steady advance. U. S. No. 1 to mostly Nos. 2 and 3 barrows and gilts scaling 175-250 lbs., ranged from \$15.00-16.00. Sows under 325 lbs. sold in a \$12.75-14.00 price spread with heavier weights ranging from \$10.00-13.75.

In the sheep division good to prime lambs earned advances of \$1.00-2.00 early in the month but lost this advance during the second week of trading. Scattered small lots choice and prime 75-80 lb. spring lambs took \$22.00-25.00, the highest prices at San Antonio in a year. Bulk mixed lots good and choice went at \$20.00-23.00 and utility and good \$16.50-19.00. A few good to choice fresh shorn and No. 2 pelt lambs rated \$17.00-18.00, utility to good \$14.00-16.50. Choice fresh shorn aged wethers sold at \$12.50, utility and good at \$9.00-11.50. Cull to good shorn slaughter ewes earned \$5.00-6.00.

Shorn heavy Angora goats reached a top of \$7.00 during the month. Bulk Spanish type and a few other Angoras rated \$5.00-6.50. Slaughter kids rated largely \$3.25-4.50 per head, bulk at \$3.50-4.00 per head.

HOUSTON Trading was rather spotted in the cattle division at the Port City Stockyards during the past month, slaughter steers and yearlings finding rather limited outlets but never being offered in sufficient numbers to glut the market. Slaughter cow movement ranged from active to slow, depending on numbers offered for sale as the demand held constant. Bulls proved hard to sell at times but clearance was generally complete each day. Slaughter cows made up the bulk of the month's supply. The total salable receipts for the reporting period amounted to about 5,000 cattle, showing a gain of 1,175 head over the preceding month but 1,800 head less than arrived during the same period of last year. Very few price changes occurred during the month, some good and choice slaughter yearlings going at \$1.00 higher prices, slaughter cows at mostly 50c increases and bulls about 50c higher. Stocker classes were poorly tested most of the time, most sales at steady rates. Good and choice 600-700 lb. slaughter yearlings went from \$17.00-20.00. Utility and commercial from \$12.00-17.00. Utility and commercial slaughter cows brought from \$11.00-12.50, a few to \$13.00, canner and cutter from \$8.00-10.50, shelly canner at \$7.00 and under. Cutter and utility bulls cashed from \$12.50-14.50, heavy weights to \$15.00-15.25. Common and medium stocker yearling steers sold from \$12.00-15.00, a few common and medium stock cows from \$9.00-11.00.

Calves: Good and the few choice slaughter calves moved actively during the month but lower grades were under pressure at times and were slower to sell although all grades moved briskly when receipts were short. Stocker demand was spasmodic, dependent on rains in local and other areas. The bulk of the slaughter receipts graded utility and commercial and most stocker calves were of common and medium mixed breed variety. The total salable receipts for the month amounted to about 11,150 calves, showing a decline of 150 head and 1,450 head compared with the receipts of the preceding month of the corresponding month of last year respectively. At the close, good and choice slaughter calves showed advances of 50c-\$1.00 compared with the preceding report, while utility and commercial grades were off about \$1.00. Good stocker calves held steady but mixed breed calves declined about 50c. All weights of good and choice slaughter calves ranged from \$19.00-21.00, a few down to \$18.00 in late deals while utility and commercial closed from \$13.00-17.50, cull down to \$11.00 and under. Good whiteface stocker steer calves brought from \$17.00-18.00, a few choice to \$20.00 with common and medium mixed breed and crossbred calves sold from \$12.00-14.00.

NEW ORLEANS

General trading on the New Orleans Stock Yards was rather spotty and uneven during the past month. Light weight calves and those grading good and better were very active and moved off well with strong demand. Heavier and in-between kinds were slow and dull. Cows were generally active all during the period and bulls moved off fairly well during the latter part of the month, after a slow start.

Bulk of offerings continue to be slaughter calves and cows. The quality of unloads was about on a par with last month being mostly in the medium range. A broad demand however, tended to hold carry-overs to a minimum and was sufficient to move off all supplies well.

The market, as a whole, closed about steady with last month's prices. There were some fluctuations, especially on the off kinds, but these did not seriously effect the overall picture.

Good to choice calves sold from \$18-\$22; commercials \$15-\$17; utilities from \$11-\$14 and culls \$8-\$11.

Commercial cows brought \$12.50-\$13; utilities \$10-\$12; cutters \$9.50-\$11 and canners \$7.50-\$9.

Best bulls sold \$13-\$14; utilities \$11-\$12; cutters \$9-\$10.

Good to choice slaughter steers and heifers sold \$17-\$20; commercials \$14-\$16 and utilities \$11-\$13.50.

Good stocker steers brought \$14-\$16; common and medium \$12-\$13.50; stocker heifers ranged from \$8-\$14.

Hog receipts continued heavy and trading was active with market slightly lower in spots. Good to choice hogs, 180-220 lbs. brought \$14-\$14.50; good, 230-250 lbs., \$13-\$14; good 160-180 lbs., \$13-\$14; good butcher pigs around \$12; packer sows \$11-\$12 and good feeder pigs \$12-\$13.

Cattle News

OMAHA

By HART JORGENSEN

Hart Jorgensen, Executive Director of the Livestock Foundation of Omaha, is personally known to thousands of Corn Belt and Western livestock growers and feeders through his market broadcasts, and talks before various livestock grower and feeder groups.—The Editor.

WESTERNERS were in the spotlight at ninth annual Pioneer Shippers Recognition banquet at the Omaha Stock Yards May 23rd. Mrs. Eva Bowring, Merriman, Neb., rancher and first woman ever to be named U. S. senator from Nebraska, was principal speaker. Responding for the more than 60 pioneer patrons honored, was Harry W. Farr of Greeley, Colo. And presiding was an erstwhile Nebraska Sandhiller, C. W. O'Rourke, now a vice president of the Union Stock Yards Co., of Omaha. The Omaha market patrons honored this year, hailed from Nebraska, Iowa, Colorado, and Wyoming. Through the past nine years an approximate 400 men and women who've shipped to Omaha 50 years or longer, have been accorded this recognition. The event is staged under sponsorship of the Agricultural committee of the Omaha Chamber of Commerce.



Dusty Way, Reserve champion reining horse, Santa Rosa Roundup, owned by Mrs. G. F. Rhodes, Abilene, Texas and ridden by Jack Newton.

—Cathey photo.

The forepart of May average price of slaughter steers at Omaha moved past \$19.25 for best showing since last December, then could not quite hold that pace despite generally moderate marketings. With supply in the main not excessive, we asked a number of buyers why that advance could not be main-

tained or even bettered. Their answer was that on-the-hoof prices had moved too high in relation to wholesale beef values. Their contention was borne out at least in part by a comparison of wholesale beef prices at mid-month with a year ago. A year ago, choice and prime steer beef wholesaled at New York at \$38.50 to \$44, or \$2.50 to \$3 higher than in mid-May this year. Yet the second week in May, 1956, the average price of slaughter steers at Omaha was within \$1.34 of a year earlier.

Replacement livestock volume at Omaha continues short of a year ago. The April count on both replacement cattle and sheep was lighter, and for the first four months this year, the stocker and feeder cattle and calf count at 86,856 was some 40,000 under the corresponding period of 1955. Replacement sheep and lambs the first four months this year totalled 22,500, nearly 15,000 under the year-ago pace.

* * *

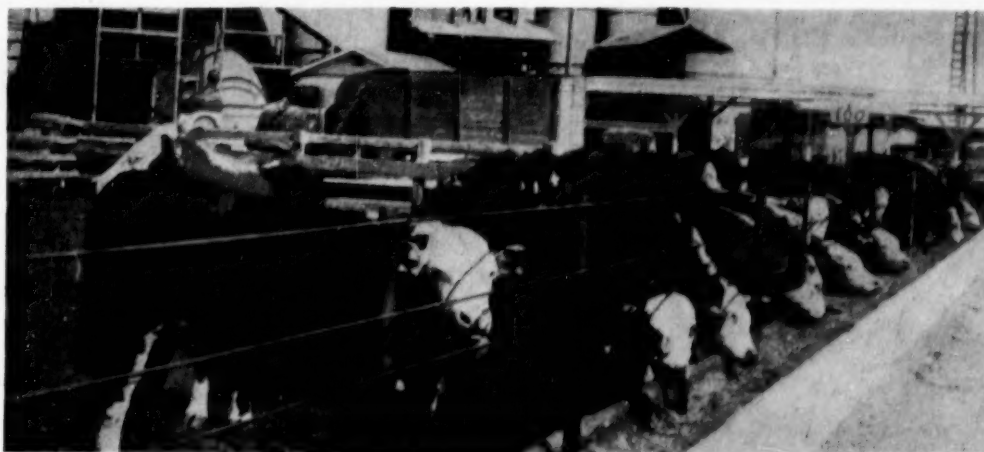
A recent visitor at the Omaha market, G. W. Brumley, Hereford, Texas, rancher and cattle-feeder, predicts that before too long his section of the country will be able to produce grainfed cattle on a par with the Corn Belt. Drouth has boomed pump irrigation in his area, he explains, and with water there'll be grain, and then grainfed cattle. He avers northwest Texas already had ideal climate and topography for intensive cattle-feeding.

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Champions at San Antonio Hereford Stocker-Feeder Sale



Champion Pen 10 Steers. Shown by Ralph Ellis, Beeville; sold by Rocky Reagan Commission Co. Left to right: Rocky Reagan, Jr., Ralph Ellis, Les Flowers, Sr., San Antonio's judge; and E. G. Pope, cattle salesman for Reagan Commission Co.



Champion Pen 10 heifers. Shown by E. Schuchart & Son, Rio Medina. Sold by Producers Livestock Commission Co. Left to right: E. Schuchart, Lloyd Schuchart, Rio Medina; Allen Koch and John C. Eckert, assistant judge.

Hereford Transactions

From Aleda, Texas, comes the report that Muir Ranch sold 5 Hereford bulls to Carl W. Earle, Rayville, La.

Leland Wood, Claude, Texas, purchased from Joe Wyant, Amarillo, Texas, 8 Hereford bulls, 13 cows and 7 heifers.

Six Hereford heifers have been sold by Bettie Hudson, Bryan, Texas, to J. K. Franchlow, also of Bryan.

Five Hereford bulls have been purchased by Vinson Smith, Silverton, Texas, from D. H. Alexander, Hereford, Texas.

Thirteen Hereford heifers have been sold to J. D. Gamel, Fort Worth, Texas, by Thad Jones, Hubbard, Texas.

Roy Browning, Fort Worth, Texas, recently sold 30 Hereford bulls to J. I. Roberts, Shreveport, La.

W. C. Romjue, Alva, Okla., recently purchased from Dean Cropp, also of Alva, 10 Hereford cows and 1 heifer.

Sixteen Hereford cows have been reported purchased by Jack Copeland & Sons, Nara Visa, N. M., from Wilmer Adams, Buffalo, Okla.

W. J. Akin, Duncan, Okla., is the new owner of 12 Hereford cows purchased from Ben S. Hill, also of Duncan, Okla.

Six Hereford cows have been reported sold by M. G. DePencier, Heavener, Okla., to H. A. & F. G. Day, Talihina, Okla.

The report comes to us that 16 Hereford heifers have been purchased by Kenneth F. Wallis, Claremore, Okla., from Landes Farms, Tulsa, Okla.

National Appaloosa Show at Elko, Nevada, July 21-22

THE national show of the Appaloosa Horse Club, Inc., will be held at Elko, Nevada, July 21-22, at the Elko County Fairgrounds. It is being sponsored by the Elko Chamber of Commerce and the city's leading hotels.

Breeding classes for mares, stallions and groups will be judged Saturday, July 21. The working horse classes will be judged Sunday, July 22.

Premium books and entry blanks may

be obtained from George Hatley, executive secretary of the Appaloosa Horse Club, Route 3, Moscow, Idaho.

Entries for breeding classes close Friday night, July 20, and for working classes Saturday night, July 21.

National Polled Hereford Show-Sale November 28-30

THE 1956 National Polled Hereford Show & Sale, with the largest premium ever offered in the 35-year history of the annual classic, will be held November 28-29-30 in Little Rock, Ark.

This announcement was made by D. W. Chittenden, executive secretary of the American Polled Hereford Assn. in Kansas City, Mo., co-sponsor of the 1956 National with the Arkansas Polled Hereford Assn.

The premium list totals \$10,500 and it is expected the number of Polled Herefords from all over America who will be entered in the show will reach record proportions, also, Chittenden reported.

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The cost of membership in the Association is \$6.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association, Chas. A. Stewart, Secretary, Fort Worth

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Range News of the Southwest



Cattle Sales and Prices

Where sex is not given on sale, excepting calves, the reference is to steers. As "The Cattleman" goes to press several days before date of release, range conditions may have changed since these

AMARILLO

Jack Vincent, Canyon, sold 43 steers to V. Lee Matney, Amarillo.

Jack Boyer, Brush, Colo., bought 71 heifers from Logsdon & Ratliff, Amarillo; and 128 heifers from Shot Miller.

J. D. Amend, Amarillo, sold 216 steers to Fred Hill, Texline.

Lee Bivins, Amarillo, shipped 465 calves and steers to Colorado to grass.

Cline Cattle Co., Amarillo, sold 85 steers to Paul Lundgreen, Omaha, Nebr.

Fritz Schuman, Dumas, sold 129 fat heifers to Ross Bowers, Oklahoma City.

Billy Lewis, Jr., Romero, shipped 160 steer yearlings to Mill Iron Ranches in Hall and Motley counties to grass.

Price Bros., Skellytown, shipped 501 steers to Kansas grass.

Bud Brainard, Skellytown, shipped 560 steers to Akron, Kans., to grass.

Willis Price, Skellytown, shipped 442 steers to Bazaar, Kans., to grass.

Clyde Renfro, Hereford, shipped 56 steers to Allen Dawson, DeKalb, Ill.

Golden Estate, Hereford, shipped 60 steers to Colorado.

Old Matadors, shipped 569 steers to Sterling, Colo., to grass.

Bert Northcutt, Canyon, sold 120 steers to Hank Paustian, Topeka, Kans.

Gillispie Bros., Morse, sold 100 steers to Wilmeth, Brummett & Singer, Amarillo, which were shipped to Sioux City, Iowa.

Charlie Hunt, Dumas, sold 82 steers to Gilbert Childress, Dalhart, which were shipped to Courtney, Mo.

Ralph Collison, Amarillo, shipped 191 heifers to Overton, Nebr.

Charlie Kilgore, shipped 100 steers to Eureka, Kans., to grass.

O. W. Stroup, Quitaque, sold 4 cows and 16 calves to Bob Scott & Son, Memphis.

The east part of the Panhandle has had some rain and hail since last report



but all of the northwest part of the state is dry.

Steer calves are selling 18c to 22c; heifer calves, 17c to 20c; cows with calves, \$80 to \$150; yearling steers, 14c to 18½c; canners and cutters, 4c to 8½c; bulls, 9c to 14c.—Maynard Wilson.

BUDA

Tom Winters bought 90 two-year-old steers from M. J. Stewart, Llano; 50 from Brown Mayse, Lampasas; 60 from Carl Cloud, Lampasas; 52 from A. C. Hughley, Lampasas; 22 from Bill Murray and 40 from Alfred Schiflett, Marble Falls, and shipped them to Allen, Kans.

Tom Winters and Marvin Porter shipped 812 steer yearlings to Walsenburg, Colo.

A. W. Chalkley, San Antonio, shipped 180 two-and three-year-old steers to Matfield Green, Kans. These steers were loaded at Temple.

Raymond Jones and Hugh Phillips, Burnet, bought 260 steer yearlings from Marvin McMillan, Mason, and 340 steer yearlings from various other parties, and shipped them to Moorcroft, Wyo.

Bill Kuykendall sold 21 pairs of cows and calves to Bruce Church, Yuma, Ariz.; 12 pairs and one bull to Harvey Mecom, Laredo; the cows and calves at \$250 and the bull at \$4,000; two pairs of cows and calves at \$300 to J. M. Hill, Lake

Charles, La.; and a cow and calf to Jim Hairston, Taylor, at \$400.

Gus Brown, Luling, sold 60 three-year-old steers to L. O. Carter. These cattle were shipped to Kansas pasture.

It is reported that Miss Lulu Haywood, Llano, has purchased the 1,100 acre Ligon ranch.

We have had from two to three inches of rain since last report. This saved the crops and started the grass but we need more moisture.—A. B. Strickland.

CANADIAN

Emil Knutson, Gruver, sold 309 steers to Sheldon Ripson and partners, Durant and Stockton, Iowa.

Francis McQuiddy, Canadian, sold 263 heifers and 304 steers to Western Order Buyers, Denver, Colo.

H. B. Taylor, Pampa, sold 160 steers to John Clay & Co., Kansas City, Kans.

J. O. Wells, Canadian, sold 312 yearling heifers to Jack Mansfield, Vega, which were shipped to Matfield Green, Kans.; and shipped 423 steers to Hymer, Kans.; and 527 steers to Strong City, Kans., to grass.

E. S. F. Brainard, Canadian, shipped 448 heifers to Aikens, Kans., to grass, and 333 two-year-old steers to Volland, Kans.

T. C. Lott, Wheeler, shipped 300 steers to Clement, Kans., to grass.

Chas. Tubbs, Canadian, shipped 750 steers to Eskridge, Kans.

George Tubbs & Sons, Canadian, shipped 550 steers to Alma, Kans.

Gober Lee Mitchell, Canadian, shipped 224 steers, 128 yearling steers and 102 heifers to Montgomery, Ill.

We have had some rain since last report but high winds have dried up the moisture and we are in need of more rain. No large sales have been reported, just the usual movement of cattle.—Jack H. Mims.

CLARENDON

Frank & Cliff Campbell, Wellington, sold 160 steer yearlings to Bob Sherrod, McLean.

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Fred Hill, Amarillo, bought 504 steers and heifers from Garland Motley, Hollis, Okla.; 370 heifer yearlings from John Sims, Pampa; and 85 heifer yearlings from Dick Pugh, Pampa.

Hugh Alcorn, Amarillo, sold 400 heifer yearlings to Curtis & Posey, Amarillo.

L. T. Shelton & Son, Clarendon, sold 108 steer yearlings to C. B. Newby & Sons, Plattsburg, Mo.

F. A. Finch, Memphis, sold 118 steer yearlings to Allen Green, Matfield Green, Kans.

Ray G. Burger, Pampa, sold 150 steer yearlings to Guy & Bob Andis, Pampa.

Hess & Kemp, McLean, sold 157 steer yearlings to Allen Dawson, Amarillo.

Fontayne Elmore, Clarendon, bought 54 yearlings from Bray Cook, Brice; 22 from Forrest Sawyer, Clarendon; 25 from Castleberry Bros., Clarendon; 25 from Benson Bros., Clarendon; 50 cows and calves from Barkley & Harriett, Claude; and sold 62 cows and calves to Andy Smith, Pampa; 18 to Mike Britten, Groom; 59 steer yearlings to Shelton & Son and Chamberlain, Clarendon; and 50 cows and calves to Ralph Britten, Groom.

Head & Knorpp, Clarendon, bought 167 cows and calves from Bryant Edwards, Henrietta; 37 from Maurice Risley, Clarendon; 42 cows from Smith & Perkins, Memphis; 37 from Ralph Britten, Groom; and sold 37 cows to A. L. Martin & Thornberry, Clarendon; 14 cows and calves to Nash Blasingame, Silvertown; and 22 to W. S. Montgomery, Clarendon.

Shelton & Son & Chamberlain, Clarendon, bought 110 steer yearlings from Fred Patching, Claude; 101 from H. G. Lewis, Lubbock; 70 steer and heifer yearlings from E. W. Cade, Jayton; 74 from Chas. Wischong, Crowell; 38 heifers



Baystone, champion roping class, Dallas Quarter Horse Show, owned and ridden by Don McLaughlin of Smithfield, Texas.—Cathey photo.

from Grady Halbert, Foard City; 30 steers from Mrs. A. F. Risley, Clarendon; 42 heifers from Head & Knorpp, Clarendon; 75 steers from Clyde Wilson, Munday; 25 steers and heifers from Wm. E. Cushing, Clarendon; 58 steers from Fontayne Elmore, Clarendon; 103 steers from Hugh Eubank; 44 steers from Guy Andis, Pampa; 146 heifers from E. H. Nelson, Munday; and sold 1,493 steers and heifers to C. B. Newby & Sons, Plattsburg, Mo.; 101 steers to Foxley & Co., Omaha, Nebr.; 331 steers and heifers to Burns, O'Connor & Skinner, Omaha, Nebr.; 23 steers to Roy Steele, Crowell; 86 steers to Tadlock & Co.,

Fort Worth; 211 heifers to Miller & Karsh, Denver; and 437 steers to Joe Miller & Co., Denver.

We had a pretty good rain May 1st over part of this country but the high winds have dried most of it out—a lot of the country has not had any rain.

Some cattle are being shipped to grass and if it doesn't rain soon, a lot more will have to go.

Steer calves are selling 18c to 20c; heifer calves, 16c to 17½c; dry cows, 8c to 10c; cows with calves, \$115 to \$140; yearling steers and twos, 17c to 18c.—A. T. Jefferies.

GLADEWATER

The range is in good condition since the good rains which fell the first part of May. Prices at the local auction sales are about steady, with little change the past two months.

There is a good demand for good stocker cattle. No cattle shipments have been reported and there is very little movement of cattle other than on the local markets, where an average number is being sold.

Steer calves are selling 16c to 20c; heifer calves, 14c to 17c; dry cows, 7c to 10c; cows with calves, \$110 to \$140; yearling steers, 14c to 18c.—T. O. Tinsley.

LUBBOCK

Carl Kemp, Dimmitt, shipped 303 heifer yearlings to Monfort Feed Lot, Greeley Junction, Colo.

Pitchfork Land & Cattle Co., Guthrie, shipped 1,830 steer yearlings to Red Butte, Wyo.

Rock Island Oil & Refining Co., Mata-

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Champions at San Antonio Hereford Stocker-Feeder Sale

Champion Pen 20 Steers. Shown by L. W. O'Connor Trust Estate, Victoria. Left to right: Maurice Cohen, San Antonio; Damon White, Carrizo Springs, judge; H. H. Thompson, San Antonio Commission Co.; and Frank E. Jordan, Mason.



Champion Pen 20 Heifers. Shown by Ard Richardson, San Antonio. Sold by Rocky Reagan Commission Co. Left to right: Ard Richardson, Prince Wood, Rocky Reagan Commission Co.; Willis Barfield, Cuero, judge; Milton Willmann, manager of Richardson Ranch; and R. J. Roeder, Jr., Yorktown.

dor, shipped 828 steer yearlings to Louisiana and Colorado.

Charley Lewis, Floydada, bought 70 mixed yearlings from Noris Rogers, Snyder; and 475 mixed yearlings and one load of cows from Wayne Williams, Dermott.

There is very little trading outside of local markets. We have had a few spotted rains but most of this country is dry.—J. W. Drace.

MIDLAND

L. B. Dudley, Amarillo, bought 243 steer yearlings from Scharbauer Cattle Co., Midland; and 430 heifer yearlings from Foy Proctor, Midland.

Charlie Bird, Midland, sold 55 steer yearlings to H. C. Scameron, Rock Point, Mo.

Foy Proctor, Midland, sold 598 steer yearlings to Don Dilly.

Most everyone in this area are still feeding their cattle and there isn't any chance to quit feeding unless we have rains. Not very many cattle have been moving out, but if we don't get rain soon, most of them will have to be shipped. The sales rings are still having good

runs, mostly trading cattle.—Howard McDaniel.

SAN ANTONIO

This section is still very dry, we had a few scattered showers but they didn't do much good. The brush that ordinarily keeps cattle going until grass comes has not put out yet. Most of the spring shipments have gone. The local market is still having good runs on Mondays and Tuesdays.—J. E. Hodges.

TAHOKA

All parts of this area have had some rain, but not enough. It helped some. All classes of cattle went up 25c to 50c per hundred on account of the rain.

Steer calves are selling 19c to 21c; heifer calves, 15c to 16c; dry cows, \$90 to \$100; cows with calves, \$110 to \$145; yearling steers, 16c to 17c.—B. L. Parker.

VICTORIA

The spring steer shipment to grass is about over.

O. R. Borchers and Wm. Borchers sold their steers to W. M. Murphy, and these

238 good crossbred steers were shipped to Holly Sugar Corp., Carlton, Calif.

The Swickheimer Estate shipped 225 good steers to Kansas; the Welder Heirs also shipped 542 good steers to Ralston, Nebr., to the feed lot; J. A. McFaddin Est. shipped 250 steers to Anderson Feed Lot, Emporia, Kans.; 300 to Ralston, Nebr., and 150 to the Denver Stock Yards to the feed lot; Alex Walleck, Westhoff, and Arthur Veit, shipped cows and calves from DeWitt county to Wilsey, Kans.; H. S. Weber, Nixon, shipped cows and calves to Matfield Green, Kans.; (these cattle will be for sale when they get fat); G. F. Simons, Houston, shipped steers to Matfield Green, Kans.

Rains in this area have been scattered, in some spots we have grass and in some spots no grass at all. This has caused a lot of cattlemen to reduce their herds. A good many cattle have been sold through the auction rings. Plain cows and calves have brought \$80 to \$100, while better cows and calves brought \$100 to \$125.—Lester Stout.

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June 2—H. C. Spinks Ranch Commercial Heifer Sale, Paris, Tenn.

June 8—Hereford Heaven Tour and Heifer Sale. Sale at Turner Ranch, Sulphur, Okla.

June 12—Hill Country Hereford Assn. All-Female Sale, Mason, Texas.

June 22—Texas Hereford Assn. Stocker & Feeder Sale, Fort Worth, Texas.

June 23—J. F. Jones & Sons Dispersion, Palestine, Texas.

Sept. 5-6—E. J. Burke Dispersion, Sallisaw, Okla.

Sept. 15—Hereford Heaven Feeder Calf Sale, Ardmore, Okla.

Sept. 21—Texas Hereford Assn. Stocker & Feeder Sale, Fort Worth, Texas.

Oct. 6—Circle A Hereford Farm, Morris, Ill.

Oct. 15—Ken-Mar Ranch, Attika, Kans.

Oct. 17—W. J. Largent & Son, Merkel, Texas.

Oct. 19—Texas Hereford Assn. Stocker & Feeder Sale, Fort Worth, Texas.

Oct. 29—Dellford Ranch, Eldorado, Kans.

Oct. 31—Hill Country Hereford Assn., Mason, Texas.

Nov. 12—Mihermel Hereford Ranch, Natchitoches, La.

Nov. 13—Lee Berwick, St. Joseph, La.

Nov. 14—Mid-North Texas Hereford Assn., Cleburne, Texas.

Nov. 14—Blanch & Sanford, Macon, Mo.

Nov. 15—Berl Berry Hereford Ranch & Twin B Ranch, Stanley, Kans.

Nov. 16—Premier Hereford Farms, Wolcott, Kans.

Nov. 19—Par-Ker Ranch, Chelsea, Okla.

Dec. 1—Blanco Hereford Assn., Johnson City, Texas.

Dec. 3—Anxiety 4th Hereford Assn., Amarillo, Texas.

Dec. 5—Clay County Hereford Assn., Henrietta, Texas.

Dec. 7—Texas-Oklahoma Hereford Assn., Wichita Falls, Texas.

Dec. 10—West Texas Hereford Assn., Abilene, Texas.

Dec. 13—Turner Ranch, Sulphur, Okla.

Dec. 15—Hereford Heaven Bull Sale, Ardmore, Okla.

Jan. 3, 1957—Red River Valley Hereford Br. Assn., Frederick, Okla.

POLLED HEREFORD SALES

Sept. 10-11—Halbert & Fawcett, Miller, Mo.

Sept. 14—Texas Polled Hereford Assn., Tyler, Texas.

Oct. 13—O'Bryan Ranch, Hiattville, Kans.

Jan. 7, 1957—A. H. Karpe's Greenfield Hereford Ranch, Bakersfield, Calif.

Jan. 19, 1957—Double E Ranch, Senatobia, Miss.

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ANGUS SALES

June 2—Poteau Valley Farm Dispersion, Waldron, Ark.

June 11-12—Kemp Ranch Dispersion Sale, Midlothian, Texas.

July 7—Sieteco-Angus Valley Herd Consolidation Sale, Tulsa, Okla.

July 13—Angus Stocker-Feeder Sale, Fort Worth Stockyards, Fort Worth, Texas.

Aug. 8-9—American Aberdeen-Angus Futurity, St. Louis, Mo.

Aug. 23—Angus Stocker-Feeder Sale, Union Stock Yards, San Antonio, Texas.

Sept. 8—Stocker-Feeder Sale, Stockyards, Fort Worth, Texas.

Sept. 15—Texas Aberdeen-Angus State Sale, Abilene, Texas.

Sept. 22—E. W. Thompson Production Sale, Sedalia, Mo.

Sept. 24—Red Oak Stock Farm Production Sale, Rocky Comfort, Mo.

Oct. 3—Fineland Aberdeen-Angus Fitted Production Sale, Longview, Texas.

Oct. 26—Haystack Angus Ranch Production Sale, Longmont, Colo.

Oct. 27—Colorado State Angus Assn. Fitted Sale, Longmont, Colo.

Oct. 27—Robin Hood Farm, Bixby, Okla.

Nov. 12—Southwestern Regional Angus Assn., Oklahoma A. & M., Stillwater, Okla.

Nov. 15—Orchard Hill Farm, Enid, Okla.

Nov. 17—D. M. Tyler Angus Farm Sale, Dewey, Okla.

Jan. 12, 1957—10th Annual Angus Valley Production Sale, Tulsa, Okla.

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SANTA GERTRUDIS SALES

Oct. 5—East Texas Santa Gertrudis Assn. Sale, Renner, Texas.

Nov. 5—O. C. Whitaker Dispersion, Aledo, Texas.

HORSE SALES

June 2—H. C. Spinks Ranch, Quarter Horse Sale, Paris, Tenn.

June 11—Frank Autry & Clyde Bottom, Wetumka, Okla.

GENERAL

June 6—Creek Nation Hereford Tour, Okmulgee, Okla.

June 8—Hereford Heaven Tour, Sulphur, Okla.

June 22-23—Annual Osage County Cattlemen's Assn. Convention, Pawhuska, Okla.

June 24—Annual Ben Johnson Memorial Steer Roping, Pawhuska, Okla.

July 2-4—Texas Cowboy Reunion, Stamford, Texas.

July 27-29—Annual International Roundup Clubs Cavalcade, Pawhuska, Okla.

Aug. 8-9—American Aberdeen-Angus Futurity, St. Louis, Mo.

Sept. 10-15—West Texas Fair, Abilene, Texas.

Sept. 29-Oct. 5—Heart O' Texas Fair, Waco, Texas.

Sept. 29-Oct. 7—New Mexico State Fair, Albuquerque, N. M.

Oct. 6-14—Pan American Livestock Exposition, State Fair of Texas, Dallas, Texas.

Oct. 20-28—American Royal Livestock & Horse Show, Kansas City, Mo.

Nov. 23-Dec. 2—International Livestock Exposition, Chicago, Ill.

Nov. 28-30—National Polled Hereford Show, Little Rock, Ark.

Jan. 11-19, 1957—National Western Stock Show, Denver, Colo.

Jan. 25-Feb. 3—Southwestern Exposition & Fat Stock Show, Fort Worth, Texas.

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The Cattleman's Book Shelf

TOMORROW IN WEST TEXAS, by Sidney L. Miller; Publisher, The Texas Tech Press, Texas Technological College, Lubbock, Texas. Price, \$5.25.

Here is a book of great practical value to West Texans. Produced by a trained observer with an inquiring mind, the volume contains information useful for the future as well as for the present.

The author spent five years in research and personal study of a large area of

West Texas before compiling his analysis of the area's economy. The result is a thoroughly readable report of significance to the entire West Texas region.

Although elements of both may be found in the presentation, it is neither a glowing fable of new empire nor a despairing tale of harsh natural obstacles. Pointing with pride is nicely balanced by some viewing with concern, and commendations are accompanied by gentle but firm chiding.

As soon as the vista of great cattle herds is unveiled, the prickly query is voiced: "But why must they be shipped out of the region to be fed for market?"

No sooner is the boast acknowledged of a "high type" population than a doubt is raised about the region's providing enough jobs to retain the younger generation.

Vast fields of grain are pictured on the one hand and on the other a scene of "the sorry position occupied by far too many" West Texans during drouth years.

As economic possibilities in West Texas have been analyzed, needs and opportunities clearly appear. These are set forth in the text under a variety of headings.

All of it adds up to interesting reading of lasting value and to a lesson of practical worth to West Texas by an able economist, Dr. Sidney L. Miller.

Texas Livestock Marketing Announces Promotions

ROY BOSWELL, Manager of Texas Livestock Marketing Association, Fort Worth, recently announced that two assistant salesmen in the cattle department have been promoted to head salesmen.

Sidney Jenkins has taken over the selling of all grown cattle, and Muriel Reese the selling of stockers and feeders. Bill Martin, recently employed by the association, is now in charge of selling fat calves.

All three are well trained and experienced in livestock marketing—having spent their entire careers in the cattle yards on the Fort Worth market.

A severe shortage of vitamin A in hay fed to young cattle, 6 to 15 months of age, may produce blindness.



Town Crier, champion stallion, Dallas Quarter Horse show, owned by Paul Curtner, Jacksboro, Texas.—Cathey photo.

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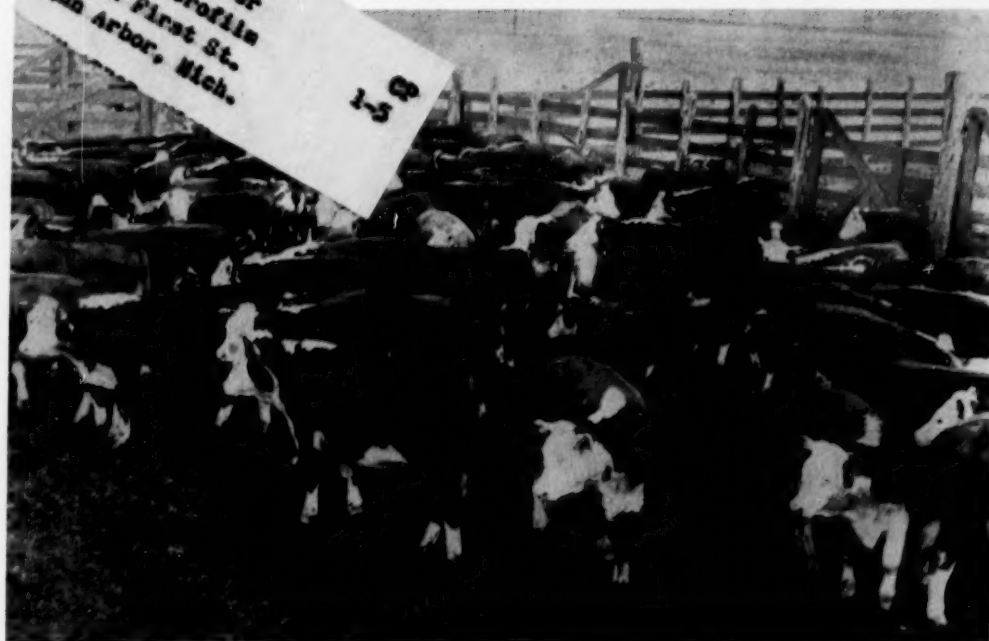
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